MINUTES

34th Meeting of the Academic Council

Dated: 19/05/2022 at 11:30 AM

The 34th meeting of the Academic Council of the University of Haryana was held on May 19, 2022 at 11:30 A.M. in the Conference Room, Administrative Block, Central University of Haryana.

The following members attended the meeting:

1. **Prof. (Dr.) Tankeshwar Kumar, Vice Chancellor - Chairperson**
2. Prof. (Dr.) Param Jeet Singh
3. Prof. B.B. Goel - (Online)
4. Prof. Sathans - (Online)
5. Prof. Suresh Kumar - (Online)
6. Dr. (Mrs.) Shimla - (Online)
7. Dr. Ashwani Mahajan - (Online)
8. Dr. Narender Hooda
9. Prof. Sarika Sharma
10. Prof. Chanchal Kumar Sharma
11. Prof. Rajesh Kumar Malik
12. Prof. Neelam Sangwan
13. Prof. Anand Sharma
14. Prof. Vinod Kumar
15. Prof. Phool Singh
16. Dr. Monika
17. Prof. Bijender Singh
18. Prof. Pawan Kumar Maurya
19. Dr. Ramesh Kumar
20. Prof. Dinesh Kumar Gupta
21. Dr. Dinesh Kumar
22. Dr. Rajesh Kumar Dubey
23. Prof. Vikas Garg
24. Prof. Surender Singh
25. Prof. Rajesh Kumar Gupta
26. Prof. Suneel Kumar

27. Dr. Ranbir Singh
28. Prof. Ranjan Aneja
29. Dr. Rakesh Kumar
30. Dr. Rajendra Parsad Meena
31. Dr. Keshav Singh Rawat
32. Dr. Mona Sharma
33. Dr. Kanti Prakash Sharma
34. Dr. Jitendra Kumar
35. Prof. Harish Kumar
36. Prof. Parmod Kumar
37. Prof. Gunjan Goel
38. Prof. Kalpana Chauhan
39. Dr. Dinesh Chahal
40. Dr. Manoj Kumar Singh
41. Dr. Dharam Pal Punia
42. Dr. Samiksha Godara
43. Dr. Ravinder Kaur
44. Dr. Santosh C. Hulagabali, Librarian
45. Prof. Dinesh Kumar, Dean (Academic) (Special Invitee)
46. Prof. Ranvir Singh (Special Invitee)
47. Prof. Rajiv Kaushik, COE (Special Invitee)
48. **Dr. Sunil Kumar, Registrar - Secretary**

The following members could not attend the meeting: -

1. Prof. Raj Kumar
2. Dr. Markanday Ahuja
3. Prof. P.C. Pattnaik
4. Prof. Ram Singh
5. Dr. Annapoorni Subramanian
6. Dr. P.K. Khurana
7. Prof. Ravinder Pal Ahlawat
8. Prof. Vishwanand Yadav

At the outset, the Vice-Chancellor welcomed all the members of the Academic Council particularly the following new members:

1. **Prof. B.B. Goel,** Professor of Public Administration (Retd.), Panjab University, Chandigarh
2. **Prof. Phool Singh,** Dean, School of Engineering and Technology, CUH
3. **Dr. Ramesh Kumar,** Head, Department of Political Science
4. **Dr. Surender Singh,** Head, Department of Microbiology
5. **Dr. Rajendra Prasad Meena,** Head, Department of Commerce

6. **Dr. Keshav Singh Rawat,** Head, Department of Computer Science and Information Technology
7. **Dr. Mona Sharma, Head,** Department of Environmental Studies
8. **Dr. Kanti Prakash Sharma,** Head, Department of Nutrition Biology
9. **Prof. Parmod Kumar,** Professor, School of Education
10. **Prof. Kalpana Chauhan,** Professor, School of Engineering and Technology
11. **Dr. Dinesh Chahal,** Associate Professor, School of Education
12. **Dr. Manoj Kumar Singh,** Associate Professor, School of Engineering and Technology
13. **Dr. Dharam Pal Punia,** Associate Professor, Dept. of Law

The Vice-Chancellor informed the Council about the joining of the new Registrar and welcomed Prof. (Dr.) Sunil Kumar, Registrar as the Ex-Officio Secretary of the Council.

The Council acknowledged and appreciated the contribution of the following members of the Academic Council who have completed their term, for Academic Development of the University:

1. **Mr. Manas Chandra Fuloria,** Co-founder & CEO, Nagarro Software Ltd., Gurugram
2. **Prof. Sanjiv Kumar,** Professor, Dept. of English and Foreign Languages, CUH
3. **Prof. Rajbir Singh Dalal,** Former Head & Professor, Department of Political Science, CUH

After that, the Vice-Chancellor briefed the progress made by the University in recent times. Thereafter, the Agenda Items were taken up for consideration.

R.No.	Resolution Passed
1.	The Minutes of the 33rd meeting of the Academic Council held on 12.10.2021, were confirmed **(Minutes already circulated)**
2.	The action taken on the resolutions of the 33rd meeting of the Academic Council held on 12.10.2021, was reported, recorded and confirmed. **(Annexure-I, Page- 12 to 20)**
	ITEMS FOR CONSIDERATION
3.	Resolved that the following amendments to Ordinance-II (A) Degree of Doctor of Philosophy (Ph.D.) of the University, as recommended by the Committee constituted to review the Ordinance-II(A), be approved with some amendments and recommended to Executive Council for consideration. **Note:** University adopts the UGC letter D.O.No.F.13-11/2020 (CU) dated 26 Nov. 2021 **(Annexure-II, Page-21)** for the admission in Ph.D. programme for Academic Session 2022-23, which is read as *"For admission in Ph.D. programme NET score shall be used for, wherever feasible"*. The Council accordingly resolved that the score of NET/ GATE/ GPAT/ University Entrance (if conducted) will be used for the admission in Ph.D. programme. If seats are vacant clarification be sought from UGC whether University to conduct its own test. New guidelines of UGC are expected soon as draft guidelines has already been uploaded on UGC website. Accordingly, amendments will be made.

Existing Clause	Amended Clause
Clause 2.4: The candidates who have qualified the UGC-NET (including JRF)/ UGC-CSIR-NET (including JRF)/SLET/GATE, or are Teacher Fellowship-holders or have passed M. Phil.	Clause 2.4: The candidates who have qualified the UGC-NET (including JRF)/ UGC-CSIR-NET (including JRF)/GPAT/GATE/University Entrance (if conducted), or Teacher Fellowship-holders or

	programme with course work recognised by the U.G.C., as per the UGC (Minimum Standards and Procedure for award of M.Phil./Ph.D. Degree) Regulations 2016, ~~shall be exempted from appearing at the written test.~~	passed M. Phil. programme with course work recognised by the U.G.C., as per the UGC (Minimum Standards and Procedure for award of M.Phil./Ph.D. Degree) Regulations 2016, shall be eligible for appearing in the Interview/ Viva-Voce to be conducted by the DRC.
	Clause-3: Procedure for Admission: **3.1: Direct Admission** **Clause-3.1.1:** The University shall conduct an Entrance Test, with the qualifying marks as 50% provided that a relaxation of 5 % of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC(Non-Creamy layers)/ Differently-abled category in the entrance examination conducted by the University. Provided further that, if in spite of the above relaxation, the seats allotted for SC/ST/OBC(Non Creamy layer)/Differently-Abled categories remain unfilled, the University shall launch a Special Admission Drive, for that particular category within one month from the date of closure of admissions of General Category. The University will devise its own admission procedure, along with eligibility conditions to ensure that most of the seats under these categories are filled. The syllabus for the Entrance Test shall consist of: (a). research methodology (50%) and (b). subject-specific (50%). The Entrance Test shall be conducted at the Centre(s) notified in advance by the University. **Clause-3.1.2:** The admission shall be based on the performance of the qualified candidates in the interview/viva-voce to be organised by the Department concerned where the candidates shall be required to discuss their research interest/area through a presentation before a duly constituted Departmental Research Committee. Provided that for selection of candidates, a weightage of 70% to the entrance test and 30% to the performance in the Interview/ viva-voce shall be given.	**Clause-3: Procedure for Admission:** **3.1 The admission shall be based on the performance of the eligible candidates in the interview/viva-voce to be organised by the Department concerned where the candidates shall be required to discuss their research interest/area through a presentation before a duly constituted Departmental Research Committee.** Provided that for selection of candidates, a weightage of 70% to the entrance test score (NET/GPAT/GATE/University Entrance (if conducted) and 30% to the performance in the Interview/ viva-voce shall be given. **Provided further that if the seats allotted for SC/ST/OBC (Non Creamy layer)/Differently-Abled categories remain unfilled, the University shall launch a Special Admission Drive, for that particular category within one month from the date of closure of admissions of General Category. The University will devise its own admission procedure, along with eligibility conditions to ensure that most of the seats under these categories are filled.** **3.2 The Head of the Department shall submit the list of the candidates to be admitted in the Ph.D. programme, duly signed by DRC members, to the Vice-Chancellor office for final approval. Till the approval, the fee will not be accepted.**

	Clause-6.2: Only a full-time regular teacher of the University can act as a Supervisor. No external supervisor is allowed. However, a Co-Supervisor can be allowed in inter-disciplinary areas from the same/other department(s) of the same institute or from any other related institution, with the approval of the Research Advisory Committee.	**Clause-6.2: Only a full-time regular teacher of the University can act as a Supervisor. A Co-Supervisor can be allowed in inter-disciplinary areas from the same/other department(s) of the same institute or from any other related institution, with the approval of the Research Advisory Committee.** **A regular teacher of the University may also act as Co-Supervisor of External Students with the approval of the Vice-Chancellor on the recommendations of the Research Advisory Committee.**
4.	The Academic Council authorized the Vice-Chancellor to approve the Ordinance based on the suggestions given by the members during the meeting. The suggestions were put in the draft minutes but one Hon'ble member raised the point that this should have been in the form of Ordinance which was circulated among members on 19-08-2022 and is now Annexed as **Annexure-III (Page- 22 to 36)** for your information. The approved Ordinance will be put up to the Executive Council for consideration.	
5.	Resolved that the following amendments to the Statute-15(1) of the Statutes of the University relating to the creation of the Departments of Studies, as recommended by the Committee constituted to examine the request of some faculty members under the School of Engineering and Technology, be approved and recommended to the Executive Council for consideration: • **Addition of Department of Applied Sciences and Humanities after Sr. No-61:**	

(b) Departments of Studies:

Existing	Proposed Amendments
1. Department of Agri-business	1. Department of Agri-business
2. Department of Agricultural Economics	2. Department of Agricultural Economics
3. Department of Anthropology	3. Department of Anthropology
4. Department of Biochemistry	4. Department of Biochemistry
5. Department of Bio-informatics	5. Department of Bio-informatics
6. Department of Biotechnology	6. Department of Biotechnology
7. Department of Botany	7. Department of Botany
8. Department of Buddhist Studies	8. Department of Buddhist Studies
9. Department of Chemistry	9. Department of Chemistry
10. Department of Commerce	10. Department of Commerce
11. Department of Comparative Literature & Translation Studies	11. Department of Comparative Literature & Translation Studies
12. Department of Computer Sciences and Information Technology	12. Department of Computer Sciences and Information Technology
13. Department of Earth Sciences	13. Department of Earth Sciences
14. Department of Economics	14. Department of Economics

15. Department of Electronics and Communication Engineering	15. Department of Electronics and Communication Engineering
16. Department of English and Foreign Languages	16. Department of English and Foreign Languages
17. Department of Environmental Studies	17. Department of Environmental Studies
18. Department of Food Science and Technology	18. Department of Food Science and Technology
19. Department of Genetics	19. Department of Genetics
20. Department of Geography	20. Department of Geography
21. Department of Geotechnical Engineering	21. Department of Geotechnical Engineering
22. Department of Hindi	22. Department of Hindi
23. Department of History and Archaeology	23. Department of History and Archaeology
24. Department of Horticulture	24. Department of Horticulture
25. Department of Journalism and Mass Communication	25. Department of Journalism and Mass Communication
26. Department of Law	26. Department of Law
27. Department of Library and Information Science	27. Department of Library and Information Science
28. Department of Management Studies	28. Department of Management Studies
29. Department of Mathematics	29. Department of Mathematics
30. Department of Microbiology	30. Department of Microbiology
31. Department of Mycology and Plant Pathology	31. Department of Mycology and Plant Pathology
32. Department of Nano Science and Nano Technology	32. Department of Nano Science and Nano Technology
33. Department of Nutrition Biology	33. Department of Nutrition Biology
34. Department of Operations Research	34. Department of Operations Research
35. Department of Philosophy	35. Department of Philosophy
36. Department of Physical Education and Sports	36. Department of Physical Education and Sports
37. Department of Physics and Astrophysics	37. Department of Physics and Astrophysics
38. Department of Policy Studies	38. Department of Policy Studies
39. Department of Political Science	39. Department of Political Science
40. Department of Post-harvest Technology	40. Department of Post-harvest Technology
41. Department of Psychology	41. Department of Psychology
42. Department of Public Administration	42. Department of Public Administration
43. Department of Remote Sensing and Geo Informatics	43. Department of Remote Sensing and Geo Informatics
44. Department of Sociology	44. Department of Sociology
45. Department of Statistics	45. Department of Statistics
46. Department of Tourism and Hotel Management	46. Department of Tourism and Hotel Management

47. Department of Urdu	47. Department of Urdu
48. Department of Virology	48. Department of Virology
49. Department of Women's Studies and Development	49. Department of Women's Studies and Development
50. Department of Zoology	50. Department of Zoology
51. Department of Civil Engineering	51. Department of Civil Engineering
52. Department of Computer Science and Engineering	52. Department of Computer Science and Engineering
53. Department of Electrical Engineering	53. Department of Electrical Engineering
54. Department of Printing and Packaging Technology	54. Department of Printing and Packaging Technology
55. Department of Social Work	55. Department of Social Work
56. Department of Sanskrit	56. Department of Sanskrit
57. Department of Yoga	57. Department of Yoga
58. Department of Pharmaceutical Sciences	58. Department of Pharmaceutical Sciences
59. Department of Open Distance Learning and Online Education	59. Department of Open Distance Learning and Online Education
60. Department of Vocational Studies and Skill Development	60. Department of Vocational Studies and Skill Development
61. Department of Teacher Education	61. Department of Teacher Education
	62. Department of Applied Sciences and Humanities

Note: *Statute-15(1) of the Statutes of the University has been amended (Addition of new Departments from Sr. No-59-61) by the Executive Council in its 46th meeting held on 18-06-2020 and the amendments were forwarded to MoE for Assent of the Hon'ble Visitor of the University vide letter No-CUH/2020/A&C/354 dated 10-07-2020. The Assent of Visitor has been received vide communication No.* F.No.58-6/2018-CU.III dated 25-04-2022. **(Annexure-IV, Page-37)**

Resolved that the following amendments to Ordinance-XVII (Assignment of Departments to The Schools), consequent upon the creation of Department of Vocational Studies and Skill Development, be approved with minor modifications and recommended to the Executive Council for consideration:

a. Assignment of the Department of Computer Science and Information Technology from School of Basic Sciences to School of Engineering and Technology, deferred based on the discussion and Council was of the opinion that more courses related to computer and data science can be opened under Department of Computer Science and Information Technology. Hence, Department of Computer Science and Information Technology will remain in School of School of Basic Sciences instead of moving to School of Engineering and Technology.

b. Addition of Department of Applied Sciences and Humanities in School of Engineering And Technology after Sr. No-vi:

c. Consequent upon receipt of Assent of the amendments in Statute-15(1), the new Departments of studies may be assigned in appropriate Schools:

ORDINANCE – XVII

ASSIGNMENT OF DEPARTMENTS TO THE SCHOOLS

(Ref. Statute 15(5) of the Statues)

S.No.	School	Department
5.	**School of Engineering and Technology**	i) Department of Civil Engineering ii) Department of Computer Science & Engineering iii) Department of Electrical Engineering iv) Department of Electronics and Communication Engineering v) Department of Geotechnical Engineering vi) Department of Printing and Packaging Technology vii) **Department of Applied Sciences and Humanities**
6.	**School of Education**	i) Department of Physical Education and Sports **ii) Department of Teacher Education**
7.	**School of Life-long Learning**	i) Department of Vocational Studies and Skill Development ii) **Department of Open Distance Learning and Online Education**

7. Resolved that the Draft Guidelines for Joint Ph.D. supervision with reputed Government Universities/Organisations and acceptance of PG students for dissertation at Central University of Haryana, be approved, except that seat allocated will be counted as one for all Supervisor/ Co-Supervisor. **(Annexure-V, Page- 38 to 39)**

8. Resolved that the draft "**Research Integrity and Plagiarism: Policy and Procedure of Central University of Haryana**", be approved. **(Annexure-VI, Page- 40 to 56)**

9. Resolved that the recommendations of the Board of Studies of the Department of Vocational Studies and Skill Development dated 05.05.2022, for the scheme and syllabi of B.Voc. Retail and Logistics Management programme in the Department of Vocational Studies and Skill Development, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2022-23, be approved. **(Annexure-VII, Page- 57 to 130)**

Note: ***The Council authorize the Vice-Chancellor to approve the recommendations of the Board of Studies regarding tables to be incorporated of POs and COs. The information about percentage of change made in syllabus be also provided.***

10. Resolved that the recommendations of the Board of Studies of the Department of Vocational Studies and Skill Development dated 05.05.2022, for the scheme and syllabi of B.Voc. Biomedical Sciences programme in the Department of Vocational Studies and Skill Development, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2022-23, be approved. **(Annexure-VIII, Page-131 to 218)**

Note: ***The Council authorize the Vice-Chancellor to approve the recommendations of the Board of Studies regarding tables to be incorporated for POs and COs. The information about percentage of change made in syllabus be also provided.***

11. Resolved that the recommendations of the Board of Studies of the Department of Vocational Studies and Skill Development dated 05.05.2022, for the scheme and syllabi of B.Voc. Industrial Waste

	Management programme in the Department of Vocational Studies and Skill Development, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2022-23, be approved. **(Annexure-IX, Page-219 to 269)** **Note:** ***The Council authorize the Vice-Chancellor to approve the recommendations of the Board of Studies regarding tables to be incorporated for POs and COs. The information about percentage of change made in syllabus be also provided.***
	REPORTING ITEMS
12.	This item was withdrawn but two of the Hon'ble members gave dissent and one claimed that his dissent be included in the minutes of the meeting. Therefore, the item with background was circulated on 19-08-2022. **Background:** **The Executive Council of the University in its 23rd Meeting dated 9th October 2015 vide Resolution no. 29 has authorized the Vice Chancellor to nominate the experts on the Selection Committee of Teachers on behalf of the Executive Council which is appended below:** *"The Vice Chancellor informed the Executive Council that the Selection process for appointment to various teaching positions to begin very soon and that as per the Statute 18 of the Statutes of the University Experts have to be nominated by the Executive Council out of the panel drawn by the Academic Council. The Nominations of experts on the Selection Committee being confidential, the Executive Council authorized the Vice Chancellor to nominate experts on the Selection Committee on behalf of the Executive Council".* Later on 2019, the Statute 18 of the Statutes of the University was amended and got the accent of the Hon'ble Visitor of the University vide MHRD letter no. F.No.58-6/2018-CU-III dated 04th Dec 2019. According to present Statue 18, experts to be nominated by the Vice chancellor out of the panel of names approved by the academic council. On the perusal of the documents made available by the University, it was found that no panel of expert was formally got recommended or approved by the Academic Council till July 2021. Taking note of this and in light of mission mode recruitment as desired by the Ministry of Education, Vice Chancellor invited names of Experts from the available Professors/Deans of the University, to include in the panel of experts for approval by the academic council. As and when the names received from the Professors the panel was approved under sub clause 3 of clause 11 of the Central University Act 2009 appended below: - *"The Vice Chancellor may, if he is of the opinion that immediate action is necessary on any matter, exercise any power conferred on any authority of the University by or under this Act and shall report to such Authority at its next meeting the action taken by him on such Matter".* Since the University was having only few Professors (9) out of 33 departments, the Names of Experts were also invited from well-known Professors of the region. The University is in growing stage and there are departments where no regular teacher is appointed. Therefore names were taken from

	Professors available in the region, and from Vidwan Website of the Inflib.net which are appro ed by the UGC along with their brief Profile on the following Link- Vidwan Profile Page (inflibnet.ac.in). It is to add here that the Panel of Experts have been drawn formally first time in the University, in very transparent manners and, with inclusion of the lists from the internal and external Experts. The panel is reported to the Academic Council for information as an action taken by Vice Chancellor in approving the panel under clause 11(3) of the CU Act 2009. The copy of the Panel of Experts is made available for the Academic Council in sealed cover along with his dissent attached herewith as Annexure. It can be opened in the presence of the Vice-Chancellor, being confidential matter. **(Annexure-X, Page-270 to 275)**
13.	The action taken by the Vice-Chancellor on 03-12-2021, on the recommendations made by the BoS and School Board, that the Research Scholar may complete the rest of the residency period by taking leave from their employer, was reported, recorded and confirmed. Note: Ms. Shivani Yadav and Ms. Kavia Research Scholars from Department of Commerce submitted applications for relaxation of residual period of residency. Ms. Shivani Yadav (Roll No-180510) Ph.D. Scholar of Department of Commerce has joine he Department for continuing her Ph.D. on 18-01-2022, by taking Extra Ordinary leave from her present employer. **(Annexure-XI, Page-276 to 277)**
14.	The Action taken by the Vice-Chancellor, on the recommendations of the Committee constituted to discuss and finalise the proposals of starting of new programmes in various programmes of the University, in starting of the following new programmes from the Academic Session-2022-23, in anticipation of the approval from the Academic Council, was reported, recorded and confirmed: **(Annexure-XII, Page- 278 to 279).**

S.No.	Name of Programme	Name of Department
1.	M.Sc. Geoinformatics	Department of Geography
2.	M.A. (Hindi Translation)	Department of Hindi

These two courses do not require any additional manpower.

15.	The action taken by the Vice-Chancellor on 13-01-2022, in approving the constitution of "**Res ch Promotion Board**" and its Guidelines, was reported, recorded and confirmed. **(Annexure-XIII, Page-280 to 284)**
16.	The action taken by the Vice-Chancellor on 13-01-2022, in approving the "**Guidelines for Sponsored Research Projects**" at Central University of Haryana, was reported, recorded and confirmed. **(Annexure-XIV, Page-285 to 313)**
17.	The receipt of the UGC letter F.No.1-10/2020 (CPP-II) dated 01-12-2021 regarding Extension of date for submission of thesis for terminal M.Phil./Ph.D. Students, was reported and recorded. **(Annexure-XV, Page-314)**
18.	The receipt of NCTE letter No.F./NRC/NCTE/HR....-M.P.Ed./342nd (Virtual) Meeting/2021/215666 dated 16-09-2021 regarding approval for starting M.P.Ed. Programme from the Academic Session 2021-22 with an annual intake capacity of 40 students, was reported and recorded. **(Annexure-XVI, Page- 315 to 318)**
19.	The action taken by the Vice-Chancellor in approving the starting of Ph.D. programmes i. he Department of Environmental Studies w.e.f. Academic Session-2022-23, was reported and recorded.

20	The action taken by the Vice-Chancellor in approving the starting of Ph.D. programmes in the Department of Sanskrit w.e.f. Academic Session-2022-23, was reported and recorded.
21.	The action taken by the Vice-Chancellor in approving the recommendations of the Standing Committee (Admissions) made in its meeting held on 11-04-2022, was reported and recorded. **(Annexure-XVII, Page-319 to 329)**
	Supplementary Agenda Items
22.	Resolved that the adoption of the University Grants Commission (Academic Collaborative between Indian and Foreign Higher Educational Institutions to offer Twinning, Joint Degree and Dual Degree Programmes) Regulations, 2022, received from Chairman, University Grants Commission, be approved. **(Annexure-XVIII, Page-330 to 343)**
23.	Resolved that the recommendations of the Board of Studies of the Department of Law dated 27-08-2021 and School Board of School of Law dated 05-05-2022, for the scheme and syllabi of LL.M. (2 Year Course), as per the CBCS, NEP, 2020 and Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2022-23, be approved. **(Annexure-XIX, Page-344 to 457)** **Note:** The Council authorize the Vice-Chancellor to approve the recommendations of the Board of Studies regarding tables to be incorporated for POs and COs. The information about percentage of changes made in syllabus be also provided. The first few general pages (about 20) of syllabus be also redesigned by the University by appropriate Committee.
24.	Resolved that the recommendations of the Board of Studies of the Department of Law dated 27-08-2021 and School Board of School of Law dated 05-05-2022, for the scheme and syllabi of LL.B. (3 Year) Professional course, as per the CBCS, NEP, 2020 and Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2022-23, be approved. **(Annexure-XX, Page-458 to 588)** **Note:** The Council authorize the Vice-Chancellor to approve the recommendations of the Board of Studies regarding tables to be incorporated for POs and COs. The information about percentage of changes made in syllabus be also provided.
25.	The action taken by the Vice-Chancellor in approving the starting of Ph.D. programme in the Department of Computer Science and Information Technology w.e.f. Academic Session-2022-23, was reported, recorded and confirmed.
	Under Any other Item
26.	The members were informed that University is applying for 2023-24 Integrated Teacher Education Programmes (ITEP).
	The meeting ended with a vote of thanks to the chair.

VICE-CHANCELLOR
(Chairperson)

27/X/22
REGISTRAR
(Secretary)

ACTION TAKEN REPORT

33rd meeting of the Academic Council held on 12/10/2021

R.No.	Resolution Passed	Action Taken
1.	The Minutes of the 32nd meeting of the Academic Council held on 23-04-2021, were confirmed.	Noted
2.	The action taken on the resolutions of the 32nd meeting of the Academic Council held on 23-04-2021, were reported, recorded and confirmed.	Noted
	ITEMS FOR CONSIDERATION	
3.	Resolved that the draft Policy on "Innovation and Startup" recommended by the Committee constituted for drafting guidelines for Innovation and Startup projects (Notified vide notification No. CUH/2021/Estt.Sec.(T)/298 dated 25.03.2021), be approved.	Notified.
4.	The Council considered the proposal for award of Ph.D. degree to Late Ms. Ekta (Roll No-10087) a research Scholar in the School of Education, on the basis of the evaluation report of the External and Internal Examiners, posthumously, without *Viva-Voce* examination, as recommended by the Dean, School of Education. The Council further resolved that Examination Branch may send thesis submitted by Late Ms. Ekta for evaluation. After receipt of the evaluation report, the matter may be submitted for consideration of the Academic Council.	Resolution sent to concerned Department for further necessary action.
5.	Resolved that the addition of new Ordinance-XXXIV relating to undergraduate programmes and UG-PG five-year integrated programmes after Ordinance-XXXIII as recommended by the Committee constituted by the Vice-Chancellor, be approved and recommended to Executive Council for consideration: **XXXX XXXX XXXX XXXX**	The recommendations regarding addition of new Ordinance will be placed in the next meeting of the Executive Council.
6.	Resolved that the following amendments to Ordinance-II (A) Degree of Doctor of Philosophy (Ph.D.) of the University, as recommended by the Committee constituted to review the Ordinance-II(A), be approved with minor modifications and recommended to the Executive Council for consideration: **XXXX XXXX XXXX XXXX**	The recommendations regarding amendments to Ordinance-II (A) will be placed in the next meeting of the Executive Council.
7.	Resolved that the recommendations of the Board of Studies of the School of Education dated 07.09.2021 and School Board of School of Education dated 14.09.2021, for the scheme and syllabi of B.Ed. programme (Semester III & IV) in the School of Education, w.e.f. the Academic Session-2021-22, be approved.	Implemented
8.	Resolved that the recommendations of the Board of Studies of the School of Education dated 07.09.2021 and School Board of School of Education dated 14.09.2021, for the scheme and syllabi of M.Ed. programme (Semester III & IV) in the School of Education, w.e.f. the Academic Session-2021-22, be approved.	Implemented

9.	Resolved that the recommendations of the Board of Studies of the School of Education dated 07.09.2021 and School Board of School of Education dated 14.09.2021, for the scheme and syllabi of B.Ed. programme in the School of Education as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
10.	Resolved that the recommendations of the Board of Studies of the School of Education dated 07.09.2021 and School Board of School of Education dated 14.09.2021, for the scheme and syllabi of M.Ed. programme in the School of Education as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
11.	Resolved that the recommendations of the Board of Studies of the Department of Physical Education and Sports dated 26.08.2021 and School Board of School of Education dated 14.09.2021, for the scheme and syllabi of M.P.E.S. programme in the Department of Physical Education and Sports, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
12.	Resolved that the recommendations of the Board of Studies of the Department of Physical Education and Sports dated 26.08.2021 and School Board of School of Education dated 14.09.2021, for the scheme and syllabi of M.P.Ed. programme in the Department of Physical Education and Sports, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
13.	The Council considered the request of Mr. Rahul Yadav, for the continuation of the Ph.D. programme in the School of Education after his joining in the Department of Education, Uttar Pradesh, as recommended by the BoS and School Board of School of Education and resolved that he may complete the rest of the residency period by taking leave from his Employer. **XXXX XXXX XXXX XXXX**	Resolution sent to concerned Department for further necessary action.
14.	Resolved that the recommendations of the Board of Studies of the Department of English and Foreign Languages dated 21.08.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of M.A. English programme in the Department of English and Foreign Languages, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
15.	Resolved that the recommendations of the Board of Studies of the Department of Hindi dated 02.09.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of M.A. Hindi programme in the Department of Hindi, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
16.	Resolved that the recommendations of the Board of Studies of the Department of Hindi dated 02.09.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the course work of	Implemented

	the Ph.D. programme in the Department of Hindi, w.e.f. the Academic Session-2021-22, be approved.	
17.	Resolved that the recommendations of the Board of Studies of the Department of History and Archaeology dated 08.09.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of M.A. History programme in the Department of History and Archaeology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
18.	Resolved that the recommendations of the Board of Studies of the Department of History and Archaeology dated 08.09.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the course work of the Ph.D. programme in the Department of History and Archaeology, w.e.f. the Academic Session-2021-22, be approved.	Implemented
19.	Resolved that the recommendations of the Board of Studies of the Department of Journalism and Mass Communication dated 08.09.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of MAJMC programme in the Department of Journalism and Mass Communication, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
20.	Resolved that the recommendations of the Board of Studies of the Department of Political Science dated 20.08.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of M.A. Political Science programme in the Department of Political Science, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
21.	Resolved that the recommendations of the Board of Studies of the Department of Psychology dated 19.08.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of Advance Diploma in Child Guidance and Counselling in the Department of Psychology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
22.	Resolved that the recommendations of the Board of Studies of the Department of Psychology dated 19.08.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of PG Diploma in Rehabilitation Psychology in the Department of Psychology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
23.	Resolved that the recommendations of the Board of Studies of the Department of Psychology dated 19.08.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of B.Sc. (Hons.) Psychology programme in the Department of Psychology, as per the Learning Outcome Based Curriculum	Implemented

	Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	
24.	Resolved that the recommendations of the Board of Studies of the Department of Psychology dated 19.08.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of M.A. Psychology programme in the Department of Psychology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
25.	Resolved that the recommendations of the Board of Studies of the Department of Sanskrit dated 28.08.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of M.A. Sanskrit (Semester-I to III) programme in the Department of Sanskrit, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
26.	Resolved that the recommendations of the Board of Studies of the Department of Sociology dated 07.09.2021 and School Board of School of Humanities and Social Sciences dated 09.09.2021, for the scheme and syllabi of M.A. Sociology programme in the Department of Sociology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
27.	Resolved that the recommendations of the Board of Studies of the Department of Chemistry dated 09.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme and syllabi of M.Sc. Chemistry programme in the Department of Chemistry, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
28.	Resolved that the recommendations of the Board of Studies of the Department of Chemistry dated 09.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme of first three years and syllabi of first year of Integrated B.Sc.-M.Sc. programme in the Department of Chemistry, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
29.	Resolved that the recommendations of the Board of Studies of the Department of Chemistry dated 09.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the course work of the Ph.D. programme in the Department of Chemistry, w.e.f. the Academic Session-2021-22, be approved.	Implemented
30.	Resolved that the recommendations of the Board of Studies of the Department of Geography dated 13.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme and syllabi of M.Sc. Geography programme in the Department of Geography, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
31.	Resolved that the recommendations of the Board of Studies of the Department of Mathematics dated 04.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme and syllabi of M.Sc.	Implemented

	Mathematics programme in the Department of Mathematics, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	
32.	Resolved that the recommendations of the Board of Studies of the Department of Mathematics dated 04.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme of first three years and syllabi of first year of Integrated B.Sc.-M.Sc. programme in the Department of Mathematics, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
33.	The Council considered the request of Ms. Varsha (10909) a student of M.Sc. Mathematics (Batch 2017-19) for another chance to appear for Numerical Analysis (II Semester) end term examination and resolved to give her a Special Chance, keeping in view of hardship faced by her due to technical issues during the online examination. **XXXX XXXX XXXX XXXX**	Resolution sent to concerned Department for further necessary action.
34.	Resolved that the recommendations of the Board of Studies of the Department of Physics and Astrophysics dated 08.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme and syllabi of M.Sc. Physics programme in the Department of Physics and Astrophysics, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
35.	Resolved that the recommendations of the Board of Studies of the Department of Physics and Astrophysics dated 08.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme of first three years and syllabi of first year of Integrated B.Sc.-M.Sc. programme in the Department of Physics and Astrophysics, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
36.	Resolved that the recommendations of the Board of Studies of the Department of Statistics dated 08.09.2021 and School Board of School of Basic Sciences dated 20.09.2021, for the scheme and syllabi of M.Sc. Statistics programme in the Department of Statistics, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
37.	Resolved that the recommendations of the Board of Studies of the Department of Electrical Engineering dated 26.08.2021 and School Board of School of Engineering and Technology dated 14.09.2021, for the scheme and syllabi of B.Tech. (Semester 7th & 8th) programme in the Department of Electrical Engineering w.e.f. the Academic Session-2021-22 (for 2018-19 admitted students), be approved.	Implemented
38.	Resolved that the recommendations of the Board of Studies of the Department of Civil Engineering dated 04.09.2021 and School Board of School of Engineering and Technology dated 14.09.2021, for the scheme and syllabi of B.Tech. (Semester 7th & 8th) programme in the Department of Civil Engineering w.e.f. the Academic Session-2021-22 (for 2018-19 admitted students), be approved.	Implemented

39.	Resolved that the recommendations of the Board of Studies of the Department of Computer Science and Engineering dated 02.09.2021 and School Board of School of Engineering and Technology dated 14.09.2021, for the scheme and syllabi of B.Tech. (Semester 7th & 8th) programme in the Department of Computer Science and Engineering w.e.f. the Academic Session-2021-22 (for 2018-19 admitted students), be approved.	Implemented
40.	Resolved that the recommendations of the Board of Studies of the Department of Printing and Packaging Technology dated 27.08.2021 and School Board of School of Engineering and Technology dated 14.09.2021, for the scheme and syllabi of B.Tech. (Semester 7th & 8th) programme in the Department of Printing and Packaging Technology w.e.f. the Academic Session-2021-22 (for 2018-19 admitted students), be approved.	Implemented
41.	Resolved that the recommendations of the Board of Studies of the Department of Electrical Engineering dated 26.08.2021 and School Board of School of Engineering and Technology dated 14.09.2021, for the scheme and syllabi of M.Tech. (Energy Systems and Management) Programme in the Department of Electrical Engineering, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
42.	Resolved that the recommendations of the Board of Studies of the Department of Civil Engineering dated 04.09.2021 and School Board of School of Engineering and Technology dated 14.09.2021, for the scheme and syllabi of M.Tech. (Structural Engineering) Programme in the Department of Civil Engineering, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
43.	Resolved that the recommendations of the Board of Studies of the Department of Computer Science and Engineering dated 02.09.2021 and School Board of School of Engineering and Technology dated 14.09.2021, for the scheme and syllabi of M.Tech. (Computer Science and Engineering) Programme in the Department of Computer Science and Engineering, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
44.	Resolved that the following amendments in the Admission rules of the University be approved and recommended to the Executive Council for consideration: **XXXX XXXX XXXX XXXX**	a. The recommendations regarding amendments to Admission Rules will be placed in the next meeting of the Executive Council. b. A proposal has been sent to UGC for providing supernumerary seats in admissions vide letter No. CUH/A&C/517 dated 13-12-2021.
45.	The Council deliberated upon the issue of reservation of PwD in Research Programmes in light of the observation/ recommendations given by the Chief Commissioner for Persons with Disabilities (Divyangjan), Department of Empowerment of Persons with Disabilities (Divyangjan), Ministry of	Resolution sent to concerned Department for further necessary action.

	Social Justice and Empowerment, Government of India, in Case No. 12793/1031/2021 titled Ms. Meena Kadian vs Central University of Haryana and resolved to Constitute a Committee to devise modalities for admissions in Ph.D. programme under PwD quota, in consonance with the observation/ recommendations given by the Chief Commissioner for Persons with Disabilities.	
REPORTING ITEMS		
46-55	Reporting Items	No action was needed
Supplementary Agenda Items		
ITEMS FOR CONSIDERATION		
56.	Resolved that the recommendations of the Board of Studies of the Department of Biochemistry dated 08-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Sc. (Biochemistry) programme in the Department of Biochemistry, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
57.	Resolved that the recommendations of the Board of Studies of the Department of Biochemistry dated 08-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the course work of the Ph.D. programme in the Department of Biochemistry, w.e.f. the Academic Session-2021-22, be approved.	Implemented
58.	Resolved that the recommendations of the Board of Studies of the Department of Biotechnology dated 01-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Sc. (Biotechnology) programme in the Department of Biotechnology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
59.	Resolved that the recommendations of the Board of Studies of the Department of Biotechnology dated 24-07-2020 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the course work of the Ph.D. programme in the Department of Biotechnology, w.e.f. the Academic Session-2021-22, be approved.	Implemented
60.	Resolved that the recommendations of the Board of Studies of the Department of Environmental Studies dated 14-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Sc. programme in the Department of Environmental Studies, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
61.	Resolved that the recommendations of the Board of Studies of the Department of Library and Information Science dated 03-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Lib.I.Sc. programme in the Department of Library and Information Science, as per the Learning	Implemented

	Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	
62.	Resolved that the recommendations of the Board of Studies of the Department of Library and Information Science dated 03-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the course work of the Ph.D. programme in the Department of Library and Information Science, w.e.f. the Academic Session-2021-22, be approved.	Implemented
63.	Resolved that the recommendations of the Board of Studies of the Department of Microbiology dated 09-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Sc. programme in the Department of Microbiology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
64.	Resolved that the recommendations of the Board of Studies of the Department of Microbiology dated 09-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the course work of the Ph.D. programme in the Department of Microbiology, w.e.f. the Academic Session-2021-22, be approved.	Implemented
65.	Resolved that the recommendations of the Board of Studies of the Department of Nutrition Biology dated 14-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Sc. programme in the Department of Nutrition Biology, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
66.	Resolved that the recommendations of the Board of Studies of the Department of Nutrition Biology dated 14-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the course work of the Ph.D. programme in the Department of Nutrition Biology, w.e.f. the Academic Session-2021-22, be approved.	Implemented
67.	Resolved that the recommendations of the Board of Studies of the Department of Pharmaceutical Science dated 26-08-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Pharm (Pharmacology) programme in the Department of Pharmaceutical Sciences, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	Implemented
68.	Resolved that the recommendations of the Board of Studies of the Department of Pharmaceutical Sciences dated 14-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the course work of the Ph.D. programme in the Department of Pharmaceutical Sciences, w.e.f. the Academic Session-2021-22, be approved.	Implemented
69.	Resolved that the recommendations of the Board of Studies of the Department of Yoga dated 01-09-2021 and School Board of School of Interdisciplinary and Applied Sciences dated 07-10-2021, for the scheme and syllabi of M.Sc. programme in the Department of Yoga, as per the	Implemented

	Learning Outcome Based Curriculum Framework (LOCF) guidelines, w.e.f. the Academic Session-2021-22, be approved.	
70.	Resolved that the guidelines for awarding 1-2 credits for SEVA/Service/Community Service programme in tune with the existing provisions of Swachh Bharat Summer Internship programme and scheme and syllabi of the proposed course, as proposed by the Committee, be approved.	Implemented.
REPORTING ITEMS		
71-73	Reporting Items	No Action needed.
Under Any other Item		
74.	The Council authorized the Vice-Chancellor to approve the revised syllabi of the Departments, as per the Learning Outcome Based Curriculum Framework (LOCF) guidelines and the same be reported in the next meeting of the Academic Council.	Noted.
75.	Resolved that the extension of the period of submission of Ph.D. thesis by Ms. Geeta Rani, a Research Scholar in the Department of Management Studies, be approved, as recommended by the DRC and School Board of the School of Business and Management Studies.	Resolution sent to concerned Department for further necessary action.
76.	The public Notice No. F.No.1-10/2020(CPP-II) dated 16.03.2021 and D.O.No.1-10/2020(CPP-II) dated 02.09.2021 issued by University Grants Commission regarding **"Extension of date for submission of thesis for terminal M.Phil./Ph.D. students"** was reported and recorded.	Notified.
77.	The signing of Memorandum of Understanding (MoU) between Central University of Haryana and Central University of Himachal Pradesh was reported and recorded.	Noted.
78.	The Council resolved that a seat under a supervisor be treated as vacant consequent upon submission of thesis by a registered Ph.D. student.	Implemented.
79.	The Council considered the request of Mr. Sudhir, for the continuation of the Ph.D. programme in the Department of Economics after his joining in the Department of Higher Education, Govt. of Haryana, as recommended by the Departmental Research Committee of the Department of Economics and School Board of School of Business and Management Studies and resolved that he may complete the rest of the residency period by taking leave from his Employer.	Resolution sent to concerned Department for further necessary action.
80.	The Agenda related to change in title of research work of a Ph.D. student namely Mr. Ankush in the Department of Biotechnology was put before the Council. In this regard, Head, Department of Biotechnology informed that the matter is being dealt at Departmental level and will be resolved at the earliest.	Resolution sent to concerned Department for further necessary action.

ज्ञान-विज्ञान विमुक्तये

डॉ. जितेन्द्र कुमार त्रिपाठी
संयुक्त सचिव
Dr. Jitendra K. Tripathi
Joint Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)
बहादुर शाह जफ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
दूरभाष Ph : 011-23239200
E-mail : jitendratripathi.ugc@nic.in

26 NOV 2021

D.O.No.F.13-11/2020 (CU) November, 2021

Subject:- Conduct of Common Universities Entrance Test (CUET) from the academic session 2022-2023-reg.

Respected Madam/ Sir,

Kind reference is invited to National Education Policy (NEP)-2020 wherein there is a provision of Common Entrance Test for all Universities through National Testing Agency (NTA) which will serve as a premier, expert, autonomous testing organisation to offer high quality common aptitude test, as well as specialised common subject exams in the sciences, humanities, languages, arts, and vocational subjects in higher education institutions.

2. Accordingly, a Committee was constituted to look into the matter and to suggest the modalities for conducting the Common Entrance Test for Central Universities. The Committee held several rounds of discussions regarding the modalities in details for conducting the Common Entrance Test.

3. Thereafter, a meeting was held with the Vice-Chancellors of all Central Universities on 22.11.2021 to discuss the recommendations of the Committee and for conducting the Common Entrance Test. After detailed deliberations, it was resolved that the Common Entrance Test for UG and PG may be conducted for Central Universities from the academic session 2022-2023 through NTA.

4. For admission in Ph.D. programme NET score shall be used for, wherever feasible.

5. Accordingly, all Central Universities are advised to take appropriate measures for the Common Entrance Test from the academic session 2022-2023.

6. These tests would be conducted in minimum 13 languages in which NTA is already conducting JEE and NEET examinations.

7. The Common Entrance Test may also be adopted by the willing State / Private Universities / Deemed to be Universities.

8. For any clarifications the undersigned may be contacted at jitendratripathi.ugc@nic.in / jitendratripathi.ugc@gov.in.

With kind regards,

Yours sincerely,

(Jitendra K. Tripathi)

The Vice-Chancellors
All (45) Central Universities
As per list attached.

Draft Ordinance

ORDINANCE- II (B)

DOCTOR OF PHILOSOPHY (Ph.D.) PROGRAMME- PART-TIME MODE

{In accordance with the University Grants Commission (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees), 2016 and UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) (2nd amendment) Regulations, 2018}

1. Admission to the Part-Time Ph.D. Programme:

1.1 The student intake in each Department as per the availability of seats. Admission to the Part-time Ph.D. programme shall be made alongwith full time programme. The number of seats offered in part-time mode shall be decided by the Department concerned as per the Ordinance.

1.2 The available seats shall be notified 'category-wise' by the University well in advance.

1.3 The reservation of seats shall be in accordance with the University Grants Commission guidelines as amended from time to time.

2. Eligibility:

A candidate shall be eligible for admission to the part-time Ph.D. programme, if he/she possesses:

2.1 A Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC's 7-point scale (or an equivalent grade in a point scale wherever the grading system is followed), or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorised by an authority, established or incorporated under a law in its home country, or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

2.2 A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for the candidates belonging to SC/ST/OBC (non-creamy layer)/Differently-abled and other categories of candidates as per the decision of the University Grants Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever the grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible only on the basis of the qualifying marks without including the grace mark procedures.

2.3 The cases of candidates who have passed an examination outside the Indian Universities system and those who may not have obtained a Master's degree may be considered for admission to the programme subject to the condition that each case shall be examined

on its own merit by the Admissions Committee and in accordance with the recommendations of the Equivalence Committee. **An equivalence Committee be set up at the University level by the Vice-Chancellor.**

2.4 The candidates who have qualified the UGC-NET (including JRF)/ UGC-CSIR-NET (including JRF)/GPAT/GATE/University Entrance (if conducted), or Teacher Fellowship-holders or passed M. Phil. programme with course work recognised by the U.G.C., as per the UGC (Minimum Standards and Procedure for award of M.Phil./Ph.D. Degree) Regulations 2016, shall be eligible for appearing in the Interview/ Viva-Voce to be conducted by the DRC.

2.5 *A candidate shall be eligible for admission to the part-time Ph.D. programme, if he/she fulfils the following conditions:*

2.5.1 He/She is working in a Government/ PSU/ Limited/ Autonomous Institute or private research Lab. of National or international repute on a regular basis.

2.5.2 He/she meets the requisite minimum qualifications for admission to the Ph.D. programme of the University.

2.5.3 The candidate has been in regular service continuously for at least five years.

2.5.4 The candidate shall be required to furnish a "No Objection Certificate" from his/her organization in the prescribed format, clearly stating the following:

i. He/She is permitted to pursue the Ph.D. programme on a part-time basis.

ii. That his/her official duties permit him/her to devote sufficient time for research.

The candidate shall be required to furnish an "Undertaking" in the prescribed format, clearly stating the following

i. Research facilities in the candidate's field of research are available at the candidate's place of work.

ii. In case the research facilities are not available, he/she will be relieved from duty and permitted to reside at the University for the period required for a minimum residency period of two years from the date of registration as applicable for a full-time Ph.D. Programme.

iii. If the candidate changes the organization after joining the Ph.D. programme, he/she shall submit a fresh No Objection Certificate from the new organisation for the remaining period.

3. Procedure for Admission:

3.1 The admission shall be based on the performance of the eligible candidates in the interview/viva-voce to be organised by the Department concerned where the candidates shall be required to discuss their research interest/area through a presentation before a duly constituted Departmental Research Committee.

Provided that for selection of candidates, a weightage of 70% to the Academic qualification and 30% to the performance in the Interview/ viva-voce shall be given. Preference shall be given to JRF qualified candidates.

Provided further that if the seats allotted for SC/ST/OBC (Non Creamy layer)/Differently-Abled categories remain unfilled, the University shall launch a Special Admission Drive, for that particular category within one month from the date of closure of admissions of General Category. The University will devise its own admission procedure, along with eligibility conditions to ensure that most of the seats under these categories are filled.

3.2 The Head of the Department shall submit the list of the candidates to be admitted in the Ph.D. programme, duly signed by DRC members, to the Vice-Chancellor office for final approval. Till the approval, the fee will not be accepted.

4. Departmental Research Committee (DRC):

In each Department of the University, academic matters related to the Ph.D. programme shall be supervised by a Departmental Research Committee consisting of the following:

(i) Head of the Department: Chairman (ex-officio)

(ii) All the Professors of the Department: (ex-officio)

(iii) Associate Professors in the Department, subject to a maximum of two, by rotation according to seniority;

(iv) Two Assistant Professors in the Department, qualified to be Research (Ph.D.) Supervisor(s), by rotation according to seniority; and

(v) One external expert to be called by the Head of Department out of the panel drawn by the BoS.

Where a Department has a strength of less than ten teachers, all faculty members eligible to be Research (Ph.D.) Supervisors shall be members of the Departmental Research Committee. The term of the members of the Departmental Research Committee, except the ex-officio members, shall be for two years.

At least, 50% of the members shall be required to be present in the meeting to form the quorum, with the presence of the Chairman or his/her representative as mandatory.

Where no teacher in the Department is eligible to be the Head, the Teacher-in-charge, if eligible to be Research (Ph.D.) Supervisor, shall convene the meetings of the DRC, failing which the members of the DRC may elect one of the members present at the meeting as the Chairperson of the Committee for the said meeting.

5. Duration of part-time Ph.D. Programme:

5.1 Duration of the part-time Ph.D. programme shall be as per the University Grants Commission guidelines as amended from time to time.

5.2 The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for the Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child-Care Leave once in the entire duration of the Ph.D. programme for up to 240 days.

6. Research Supervisor:

6.1 The School Board/BOS, on the recommendation of the DRC, may appoint ~~a~~ny regular Professor of the University with at least five research publications in UGC approved/ refereed journals, and any regular Associate/Assistant Professor of the University with a Ph.D. degree and at least two research publications in UGC approved/ refereed journals, as a Research Supervisor.

6.2 Only a full-time regular teacher of the University can act as a Supervisor. A Co Supervisor can be allowed in inter-disciplinary areas from the same/other department(s) of the same institute or from any other related institution, with the approval of the Research Advisory Committee.

A regular teacher of the University may also act as Co-Supervisor of External Students with the approval of the Vice-Chancellor on the recommendations of the Research Advisory Committee.

6.3 The allocation of Research Supervisor for a selected research scholar shall be decided by the School Board/BOS on the recommendation of the DRC concerned, depending on the number of scholars per Research Supervisor, the available specialization among the Supervisors and research interests of the scholars as indicated by them at the time of interview/viva voce.

6.4 In the case of the topics which are of inter-disciplinary nature, where the Department concerned feels that the expertise in the Department has to be supplemented from outside, the D.R.C. may appoint a Research Supervisor from the Department itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Department/ School/University, on such terms and conditions as may be specified and agreed upon by the consenting Institutions.

6.5 A Research Supervisor/Co-supervisor who is a Professor, at any given point of time, cannot guide more than eight (8) Ph.D. scholars. An Associate Professor as Research Supervisor can guide up to a maximum of six (6) Ph.D. scholars; and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph.D. scholars.

Out of total seats allotted to a Supervisor/ co-supervisor, not more than one seat can be allotted to part time Ph.D. scholar at any given point of time

6.6 In case of relocation of a female Ph.D. scholar due to her marriage or otherwise, the research data shall be allowed to be transferred to the University to which the scholar intends to relocate provided all the other conditions are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/

supervisor from any funding agency. The scholar shall, however, give due credit to the parent guide and the institution for the part of research already done.

6.7 In cases where a teacher is retiring or leaving and where redistribution/reallocation of the Ph.D. students is required for the abovementioned or any other reason, the Ph. D. students shall be adjusted among the eligible existing teachers of the department by relaxing the norms by the Departmental Research Committee (DRC)/Board of Studies (BOS).

In cases where the teacher is retiring (two years or less of service is remaining) appointment of a Co-Supervisor on the recommendations of the DRC at the time of registration shall be done by the BOS/School Board concerned.

6.8 Provided further that in case a Supervisor, under whose guidance a thesis has been prepared in part or in full, ceases to be a teacher of the University, he/she may, subject to his/her availability and recommendation of the Departmental Research Committee, be allowed to continue guiding the scholar by the School Board and/or Board of Studies as Co-Supervisor of the student concerned.

7. Course Work:

7.1 There shall be a compulsory Course Work of minimum one-semester duration as a pre-requisite for the confirmation of registration of students admitted provisionally. The course work shall consist of one Course on research methodology and the remaining Course(s) shall be as prescribed by the School Board/Board of Studies/Departmental Research Committee. The course work shall be a minimum of 8 credits and a maximum of 16 credits, **which will be conducted along with the full time Ph.D. course.**

7.2 No student shall be allowed to register for the Course Work after the expiry of the notified deadline.

7.3 The candidates who have passed M.Phil. Degree with Course Work as per the UGC (Minimum Standards and Procedure for award of M.Phil./Ph.D. Degree) Regulations 2016, as amended from time to time, shall be exempted from the requirements of Course Work. All other candidates admitted to the Ph.D. programme shall be required to complete the Ph.D. course work prescribed by the Department.

7.4 If a student has taken more number of courses than the prescribed number and has secured the grade higher than 'F' in each course, then the best grades of the required number of courses shall be taken into account for the calculation of CGPA for the purpose of deciding his/her case for confirmation to the Ph.D. programme.

7.5 Definitions:

a. "Course" means a Semester Course.

b. "Credit"(C) is the weightage assigned to a course in terms of contact hours.

c. "Grade" means a letter grade assigned to a student on the basis of evaluation of a course on a ten point scale.

d. "Grade point" (G) means the numerical equivalent of a letter grade assigned to a student in the ten point scale.

e. "Semester Grade-Point Average" (SGPA) means the grade-point average of a student calculated in the following manner:

$$SGPA\ (Si) = \sum(Ci \times Gi)/\sum Ci$$

where Ci is the number of credits of the ith course, Gi is the grade-point scored by the student in the ith course and the summation is over all the courses being considered in that semester.

f. "Cumulative Grade-Point Average" (CGPA) means a cumulative index grade-point average of a student calculated in the following manner:

$$CGPA = \sum(Csi \times Si)/\sum Csi$$

where Si is the SGPA of the ith semester, Csi is the total no. of credits in that semester and the summation is over all the semesters being considered.

g. The University shall adopt the 10-point Grading System, with the Letter Grades as given under:

Letter Grade	**Grade Point (SGPA/CGPA)**	**Range of Grade Point (SGPA/ CGPA)**	**Class Interval (in %)**
O (Outstanding)	10	Above 9 to 10	Above 90 and ≤ 100
A+ (Excellent)	9	Above 8 to 9	Above 80 and ≤ 90
A (very Good)	8	Above 7 to 8	Above 70 and ≤ 80
B+ (Good)	7	Above 6 to 7	Above 60 and ≤ 70
B (Above Average)	6	5.5 to 6	55 to 60
F (Fail)	0		<55
Ab (Absent)	0		Absent

Note:

i. F= Fail, and the students graded with 'F' in a programme or course shall be required to re-appear in the examination.

ii. The minimum qualifying marks for a course or programme shall be 55% or SGPA/CGPA of 5.5.

iii. The students shall have to qualify the Internal Assessment and the End-Semester examinations in the aggregate.

iv. There shall be no rounding off of SGPA/CGPA.

v. The SGPA/CGPA obtained by a student shall be out of the maximum of 10 points.

vi. In order to be eligible for the award of the M.Phil degree of the University, a

student must obtain the CGPA of 5.5 or 55% marks in aggregate at the end of the programme.

7.6 The student who is otherwise eligible for the award of the degree but has secured a SGPA/CGPA of less than 5.5 or 55% marks at the end of the permissible period of semesters may be allowed by the Department concerned to repeat the same course(s) or other courses of the same type in lieu thereof in the extra semesters provided in Clause 5 on "Duration of Programme".

7.7 A student for whom pre-requisite courses are prescribed shall be required to clear the Course Work within one year. The registration of such students shall be confirmed only if he/she has qualified minimum credits with a minimum CGPA of the Course Work may be designed by the Department as under:

i. **One paper on Research Methodology, which may include the basic components of research techniques, tools, understanding of specific manual/style-sheet, format of article/dissertation/thesis, different types of citations, plagiarism-check, Intellectual Property Rights (IPR), quantitative methods, computer applications, etc.**

ii. **One subject-specific paper.**

iii. **The Course Work may include instrumentation, communication skills, seminar presentation, review of published research, and other topics as specified in the prescribed manual or style sheet (MLA/APA/Chicago etc.), field work and other activities specified in the Course Work. The Evaluation of the work shall be done by the faculty members of the University Department/School concerned.**

7.8 There shall be 60% weightage for the Course Work End-semester examinations and 40% weightage shall be given as internal assessment on the basis of assignments/presentations/ projects and other research-based activities during the semester.

7.9 The candidate failing to obtain a minimum CGPA of 5.5 may be allowed to continue with provisional registration for a maximum period of one more semester during which the candidate shall be required to fulfil the minimum required CGPA. He/She shall be allowed to reappear in the next end-semester examination. No further chance shall be given to the candidate.

8. Registration and Approval of Topic:

a. Consequent upon confirmation of his/her admission in the Board of Studies and/or School Board, the topic of dissertation/thesis shall be approved by the School Board/BOS on the recommendations of the DRC on a proposal submitted by the student.

b. No candidate shall be eligible to register for the programme/course if he/she is already registered for any full-time programme of study of this University or in any

other University/Institution/Deemed to be University/College/Institution of National importance.

c. The Board of Studies and/or School Board may cancel the registration of a student for breach of the provisions of clauses given above.

After approval of the topic, the student shall submit the registration form with prescribed fee to the Registration Branch.

9. Requirements during Registration Period:

a. Every research scholar shall be required to show continuous progress during the period of his/her registration and it shall be monitored by the supervisor of the candidate.

b. Every research scholar shall be required to submit half-yearly report.

c. The supervisor of the research scholar shall give his/her assessment about the progress of the scholar as whether satisfactory or not. The Report shall be placed before the Departmental Research Committee for its evaluation in its forthcoming meeting. In case two consecutive half-yearly reports are found unsatisfactory, Head of the Department, on the recommendations of the Departmental Research Committee (DRC) may recommend to the Board of Studies for cancellation of the registration.

d. The research scholar shall present a seminar on his/her research at the completion of each year after his/her registration to Ph.D. programme till submission of Ph.D. thesis. This seminar will be organized by the concerned Supervisor with the approval of the Head of the Department.

e. **Supernumerary seats**: To enhance the Industry-University linkage and to increase the collaboration with the Central Institutions/ Laboratories by having MOU with them, collaboration in R&D is required. For this, sometimes the Institutes/Industries want that their eligible employees/scientists are allowed to do Ph.D. In such cases, some supernumerary seats, not more than two, in each department may be created, subject to the availability of seats with the existing faculty of the Department. If there are more than two such sponsored candidates, then best two out of these would be chosen on the basis of merit of entrance test and/or interview. For such cases, however, the Director/CEO of the institute/industry is required to sponsor such candidates with requisite qualifications only. Residency period will be counted even if he/she is residing/working in his/her own institute where facilities for such research exist and the said residency period is certified by the Head of the Institution. The said Institutions/Industries may sponsor their research scholars who are working in their institute with scholarships. However, such students will be required to attend the regular one semester course work prescribed by the DRC/BOS along with the other candidates and all the rules governing the Ph.D. scholars of the University will be applicable to them.

10. Removal of the Name from the Rolls of the University:

a. The name of a student shall be deemed to have been removed from the rolls of the University if he/she

   i. fails to qualify any pre-requisite course within the stipulated duration

   ii. fails to secure a CGPA of 5.5 in the course work

   iii. fails to submit the two half-yearly reports consecutively

   iv. fails to deposit the registration/annual/continuation fee within the stipulated time

   v. fails to submit his/her thesis within six years from the date of admission to the Ph.D. programme. Provided further that the Vice Chancellor may, on the recommendation of the DRC/BOS grant extension to the scholar to submit the thesis for a maximum period of one year.

b. The Board of Studies/School Board, on the recommendation of the Departmental Research Committee, may, however, accept the request of a candidate whose name has been removed from the rolls of the University to get re-admitted and become eligible for submission of his/her thesis, provided he/she submits his/her thesis within one year from the date of such re-admission or within maximum seven years of the date of his/her admission, whichever is earlier.

11. Research Advisory Committee (RAC):

There shall be a Research Advisory Committee or an equivalent body for similar purpose for each Ph.D. scholar. The Research Supervisor of the scholar shall be the Convener of this Committee. This Committee shall have the following responsibilities:

i. To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.

ii. To periodically review and assist in the progress of the research work of the research scholar.

iii. A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her research work related to the topic approved for evaluation and further guidance. The six monthly progress reports shall be submitted by the Research Advisory Committee to the Departmental Research Committee with a copy to the research scholar.

iv. In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend with specific reasons for cancellation of the registration of the research scholar.

The RAC shall consist of following members:

i. Research Supervisor: Convener

ii. One member to be **nominated by the Head/TIC** (Out of the panel of three names to be proposed by the Convener)

iii. One member to be nominated by Dean of **School concerned**/Dean Research (Out of the panel of three names to be proposed by the Convener)

12. Guidelines for the Submission of Thesis:

12.1 No candidate shall be permitted to submit his/her thesis for the Ph.D. degree, unless he/she has pursued research at the University for not less than three years after his/her admission to the Ph.D. programme.

12.2 The Ph.D. scholars must publish at least one research paper in a refereed journal and make two paper presentations in conferences/seminars before the submission of the dissertation/thesis for evaluation, and produce the evidence of the same in the form of a presentation certificate and/or reprint.

12.3 Pre-Thesis Submission Seminar:

i. Prior to the submission of thesis, the student shall present a pre-thesis submission seminar in the Department that shall be open to all faculty members and research students, for getting feedback and comments, which shall be suitably incorporated into the draft thesis under the advice of the supervisor. The notice of Pre-thesis Submission Seminar shall be issued by the Head of the Department under intimation to the Vice-Chancellor.

ii. On successful presentation of the Pre-Thesis Submission Seminar, the research scholar is required to submit the thesis within three months from the date of pre-submission seminar, failing which he/she shall have to repeat the pre-submission seminar.

iii. The Ph.D scholar shall submit a copy of the thesis in the form of a CD/Pen drive/official email to the Library for plagiarism check and he/she shall be eligible for submission on production of satisfactory report of the plagiarism check.

iv. A candidate shall submit his/her thesis for the Ph.D. degree in the manner prescribed as under:

a. The research scholar shall submit four printed/typed soft bound copies of his/her thesis along with the copies of the abstract and the summary, mentioning the name of the candidate, supervisor, etc., along with two soft copies of the thesis on separate CDs and/or Pen drives.

b. The typing/printing of thesis should be done on both sides of the paper (instead of the single-side printing), on **the** A-4 size paper, in font size 12" in **the** Times New Roman font with line-spacing 2. For other details, the research scholar shall adhere to the style sheet/manual (APA, MLA, etc.) as prescribed by the department concerned, from time to time.

c. The title page of Ph.D. thesis **shall be in the colour** prescribed by the Department/School concerned.

d. **The thesis** shall be accompanied by a declaration from the candidate countersigned by the Supervisor and Head of the Department in the following format:

Declaration: This is to certify that the material embodied in the present work, entitled "----------", is based on my original research work. It has not been submitted, in part or full, for any other diploma or degree of any University/Institution Deemed to be University and College/Institution of National Importance. References from other works have been duly cited at the relevant places. (Signature of the Candidate with date) (Countersigned by **the Supervisor and the Head of the** Department with date)

13. Panel of Examiners:

a. On the recommendation of the Supervisor, the DRC shall forward a panel of eight external examiners (at least four of the examiners in the panel shall be from outside the State/Country) from the concerned area of Research, to the Controller of Examinations on the prescribed proforma for drawing a panel of examiners. Further, the Vice-Chancellor shall have the discretion to add and/or delete any name/s recommended by the DRC.

b. The viva-voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Supervisor and at least one of the two external examiners, and shall be open to be attended by Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/researchers/students.

14. Evaluation of Thesis:

a. The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least two external examiners, who are not in employment of the University, of whom one examiner may be from outside the State/Country.

b. The Vice-Chancellor, shall appoint two external examiners out of the panel recommended by the DRC with at least one examiner from outside the State /Country for the evaluation of the thesis.

c. Each Examiner, after examining the thesis, shall submit a report to the Controller of Examination (COE) containing a clear recommendation whether, in his/her opinion:

i. The thesis as such is acceptable and the viva-voce examination of the candidate may be held; or
ii. The thesis should be referred back to the candidate for revision and re-submission; or

iii. The thesis be rejected.

d. The examiner shall not recommend that the viva-voce be held unless he/she is satisfied, i. that the thesis constitutes a contribution to knowledge characterized either by reinterpretation of known facts or development of new knowledge and/or techniques and, ii. that the methodology pursued by the candidate is sound, and, iii. that its literary presentation is satisfactory.

e. If the COE is satisfied that the external examiners have unanimously recommended that the viva-voce examination of the candidate be held, he/she shall accordingly refer it to the Head of the Department to prepare a summary report in consultation with the supervisor(s) concerned for conduct of viva-voce.

f. In case the COE finds that the external examiners of the thesis have not recommended unanimously that the viva-voce examination of the candidate be held, then the COE shall place the report of the examiners before the Vice Chancellor for directions.

g. The Head of the Department/ Chairperson, DRC may, at his/her discretion, and shall, if the recommendation of one external examiner is positive and that of the second is negative, recommend to the Vice Chancellor for the appointment of a third external examiner, one not in the service of the University and/or on the Board of Studies of the Department/Centre and/or the School Board to examine the thesis and act according to the recommendation of the third external examiner.

A recommendation is not to be considered negative if a revision is recommended and this revised thesis is accepted by the examiner.

Provided further, if the thesis after revision is not accepted by the examiner, the original and the revised version of the thesis shall be sent to the third external examiner and the version approved by the third external examiner shall be considered to be final.

Important:

(1) No thesis shall earn a degree unless there are three positive recommendations, including that of the Research Supervisor.

(2) Where two recommendations are positive and the third asks for revision, the BOS shall ordinarily get the revision carried out and revised thesis sent to the same examiner.

15. Viva Voce:

a. On satisfactory evaluation of the report the student shall undergo a viva voce, which shall be openly defended by the candidate.

b. The public viva-voce of the research scholar to defend the dissertation/thesis shall be conducted only if the evaluation report(s) of the external examiner(s) on the dissertation/thesis is/are satisfactory and includes a specific recommendation for conducting the viva-voce examination. If the evaluation report of the external

examiner, in case of Ph.D. thesis, is unsatisfactory and does not recommend viva voce, the University shall send the dissertation/ thesis to another external examiner approved by the Vice Chancellor out of the approved panel of examiners and the viva voce shall be held only if the report of the latest examiner is satisfactory. If the report of the latest examiner is also negative, the dissertation/ thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.

c. The viva voce, based on, among other things, the critiques given in the evaluation report, shall be conducted by the Research Supervisor and at least one of the two external examiners, and shall be open to be attended by the then Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/researchers.

d. Where the Supervisor is unable to be present within a reasonable time to participate in the viva voce, the DRC/BOS may recommend another member of the faculty in his/her place.

e. At the viva voce, the Viva Voce Board shall satisfy itself;
   i. That the thesis submitted by the candidate is his/her own work, and
   ii. That the grasp of the candidate on the field of his/her study is satisfactory.

f. The Viva Voce Board may, on the basis of the unanimous opinion of its members, recommend:
   i. That the candidate be awarded the Ph.D. degree;
   ii. That the thesis is suitable/fit for publication in its present form;
   iii. That the thesis may be published with revisions;
   iv. That the thesis be referred back to the candidate for revision;
   v. That the thesis be rejected and the candidate may not be awarded the Ph.D. Degree

g. The manner in which the viva voce to be conducted shall be as prescribed.

h. In case the *Viva-Voce* Board/Examiner recommends that the candidate be awarded the Ph.D. degree, the recommendation/ report shall be submitted to the Departmental Research Committee. The DRC shall further recommend to the Vice Chancellor that the Ph.D. degree may be awarded to the candidate. Accordingly, the notification shall be issued after approval of the Vice Chancellor, and the date of award of Ph.D. Degree shall be the date of Notification.

i. Along with the Degree, the University shall issue a certificate stating that the degree has been awarded in accordance with the UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2016 (as amended from time to time).

j. In case the viva-voce Board recommends that the thesis of the candidate be rejected, the Board of Studies shall direct accordingly.

k. In case the recommendation of one member of the Viva-Voce Board is positive and of the other negative, the Departmental Research Committee shall refer the case to the Board of Studies for its consideration and recommendation, and take a decision after considering such recommendation.

l. A candidate whose thesis has been referred back by the Viva-Voce Board for revision shall be permitted to re-submit it for the award of the degree not later than one year from the date of intimation of the decision of the University to him/her.

m. In exceptional cases, the Academic Council may, on the recommendations of the Board of Studies/School Board, extend the period by one semester.

n. A thesis which has been re-submitted shall normally be examined by the original examiner(s) unless any one of them is, or all of them are, unable or unwilling to act as such, in which case another examiner(s) may be appointed by the Vice Chancellor on the recommendation of Board of Studies.

o. No candidate shall be permitted to re-submit his/her thesis for the award of the Ph.D. degree more than once.

16. Publication of Thesis:

If the examiners have recommended that the thesis is suitable/fit for publication, it may be published in the book form by the research scholar. If there is difference of opinion between the examiners regarding the publication of the thesis, the case shall be referred to the Committee consisting of the following for consideration and recommendations: i) Dean of the School- Chairman, ii) Head of the Department concerned - Member, and iii) Supervisor of the Scholar – Member.

17. Fee for Ph. D. Programme:

The research scholar shall have to pay the requisite fee prescribed by the University failing which his/her registration shall be cancelled.

The fee may be charged under the heads like—Course Work fee (for those who are required to complete Course Work); Registration Fee (at the time of registration); Annual Fee/continuation fee (Annual Fee shall be payable within 15 days of registration and annually thereafter); Annual Laboratory fee for science subjects and other subjects involving laboratory work; Evaluation fee to be charged at the time of submission of Ph.D. thesis; Late fee for delayed payment of annual fee; and any other fees as prescribed by the University.

The fees shall be subject to changes as decided by the University from time to time.

18. Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree, the University shall submit an electronic copy of the Ph. D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges.

Prior to the actual award of the degree, the University shall issue a provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of UGC Regulations, 2016.

***Note**: Notwithstanding the provisions of the Ordinance, the Academic Council or the Vice Chancellor may, in exceptional circumstances and on the recommendations of the Board of Studies/School Board, as well as on the merits of each individual case, consider, at its discretion and for the reasons to be recorded in writing, relaxation of any of the provisions except those related to CGPA requirements for qualifying the course work. The decision of the Vice-Chancellor shall be reported to the Academic Council in its next meeting for ratification.*

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F.No. 58-6/2018-CU.III
Government of India
Ministry of Education
Department of Higher Education
*****

New Delhi, the 25th April, 2022.

To

The Registrar,
Central University of Haryana,
Jant-Pali, Mahendergarh,
Haryana-123029.

Subject: Amendment to Statutes/Ordinances.

.....

Madam,

I am directed to refer to your letters No. CUH/2020/A&C/357 dated 10.7.2020 and CUH/2022/A&C/12 dated 3.2.2022, and to say that the President in his capacity as the Visitor of the Central University of Haryana has been pleased to give his assent to the following proposals for amendment to Statutes/Ordinances proposed by Central University of Haryana:-

S.No.	Ordinance/Statute	Subject
1	Ordinance VI	Emoluments and other terms and conditions of service of Pro-Vice Chancellor.
2	Ordinance XVII	Assignment of Departments of the schools
3.	Statute 15(i)	Schools of Studies and Departments.
4.	Statute 11	Constitution of the EC and the term of office of its members.

2. It is requested that the above amendment to Statutes/Ordinances may please be got published in the official Gazette and sufficient number of copies of the Gazette notification sent to this Department for laying them in the Parliament.

Yours faithfully,

(C.P. Ratnakaran)
Under Secretary to the Govt. of India

DRAFT GUIDELINES

Sub: To consider Joint Ph.D supervision with reputed Government Universities/Organization, and acceptance of PG students for dissertation at CUH

Initial draft by Dean Research

Broad Objectives:

- **To foster and strengthen joint collaborative research efforts**
- **To enable interdisciplinary and multidisciplinary approach in pursuing research problems of PG/Doctoral students**
- **To utilize national expertise/resources in solving national issues through research by joint Ph.D program**
- To develop synergetic collaborations in a resource-sharing and knowledge-sharing environment in various courses, areas including science and technology.
- To deevelop academic programmes and share expertise in training and other academic activities through joint organization of events, joint guidance of students, exchange of faculty and students, etc.
- Design and develop research and outreach activities and programmes for various mutually identified goals.
- To collaborate for conducting research in science and technology and for facilitating students to conduct research and register for awarding doctorate degrees with Supervisor/Co-supervision from either academic/research organization.

Participating Institutions and qualifications for supervisor/co-supervisor:

Qualified permanent faculty members from any nationally recognized and reputed government University/Institution can be recognized as supervisors/co-supervisors for jointly supervising Ph. D students

Execution:

1. The degree certificates can be awarded by either party on mutual consent and approval from competitive authorities and as per norms laid down in the University Ordinance and UGC (Minimum Standards and Procedure for Award of M.PHIL./PH.D. Degrees) Regulations, 2016.
2. The faculty eligibility and other regulations will be followed as per the UGC guidelines.
3. Thesis supervisor (s) for joint supervision for a research scholar will be appointed from the faculty members of the University as Supervisor/co-supervisor. The faculty members as Scientist/Professors/Associate Professors/Assistant Professor/Scientist in the equivalent position in the Government organizations/premier institutes/R&D Units/Industries may also be permitted to be co-supervisor with the approval of Vice Chancellor.
4. For such joint Ph.D program, fee structure of the respective University/Institution will be followed where the candidate is registered. Duration and DRC/RAC may be followed as per the same University procedures.
5. Students working in research organizations as research fellows/project fellows or any similar such positions may be considered for consideration of joint Ph.D supervision provided the application is duly forwarded by proposed/approved by Director or competent authority of the institution/University and duly considered by the committee constituted by the Vice Chancellor. In such applications, the synopsis shall be prepared on topic and area of mutual consent. In either case NOC will be required i.e., to become supervisor of the other institute or to accept someone from other institute.
6. Justification for joint supervision whether within University or outside university be provided before registration.
7. Publication of joint research publications, consultancy and patents if any as outcomes of the joint collaborative research will be followed through mutual consent and agreements in authorship at both organization.
8. University faculty members may accepts one student each year for internship/training from other Universities/Institutes.
9. For joint supervision seat will be counted as 0.5 for each teacher acting as supervisor or co-supervisor.

Annexure-B

RESEARCH INTEGRITY AND PLAGIARISM:
POLICY AND PROCEDURES OF
CENTRAL UNIVERSITY OF HARYANA

[Draft]

CENTRAL UNIVERSITY OF HARYANA

April, 2022

Proposed by:
Pandit Deendayal Upadhyaya Central Library
Central University of Haryana
Jant-Pali, Mahendergarh-123031
Haryana-India
http://library.cuh.ac.in/
library@cuh.ac.in

Date of draft proposal:	V.1, 27th Dec. 2021
Date of revised draft proposal:	V.2, 30th March, 2022
Date of feedback sought from the faculty of CUH:	31st March, 2022
Date of revised final proposal:	V.3, 5th April, 2022

Approval body:	.....
Date of approval:	.....
Date effective:	.....
Date of review/ revision/ updates:	Periodically (Ref. Sr. No.14)

Acknowledgements: (a) Competent authority, officials, faculty and other academic staff and non-teaching staff for their support; (b) All relevant policies, procedures and definitions from a number of statutory bodies, higher educational institutions and other sources were referred to while preparing this Policy document and we gratefully acknowledge the same.

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RESEARCH INTEGRITY AND PLAGIARISM:
POLICY AND PROCEDURES OF
CENTRAL UNIVERSITY OF HARYANA
[Draft]

Abbreviations

CUH	Central University of Haryana
DAIP	Departmental Academic Integrity Panel
HEI	Higher Educational Institution
IAIP	Institutional Academic Integrity Panel
PDU Central Library	Pandit Deendayal Upadhyaya Central Library
PDS	Plagiarism Detection Software/tool
SI	Similarity Index
UGC	University Grants Commission

Annexures

Annexure-1	University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018.
Annexure-2	Resolution passed in the 39th Meeting of Executive Council of Central University of Haryana (Resolution No.18, pg.27) held on 18th Oct. 2018.
Annexure-3	Plagiarism Verification Form for dissertation/ thesis/ of MPhil/ PhD.
Annexure-4	Plagiarism Verification Certificate for dissertation/ thesis/ of MPhil/ PhD.

Definitions

Academic integrity*	means the intellectual honesty in proposing, performing and reporting any activity, which leads to the creation of intellectual property.
Author*	includes a student or a faculty or a researcher or staff of HEI who claims to be the creator of the work under consideration.
Competent authority**	means the head of the University/HEI.
Common knowledge*	means a well-known fact, quote, figure or information that is known to most of the people.
Degree*	means any such degree specified by the University Grants Commission, by notification in the Official Gazette, under section 22 of the University Grants Commission Act, 1956.
Faculty*	refers to a person who is teaching and/or guiding students enrolled in an HEI.

Plagiarism*	means the practice of taking someone else's work or idea and passing them as one's own.
Plagiarism verification service**	means one of the services of Pandit Deendayal Upadhyaya (PDU) Central Library which is provided by using a plagiarism detection software/tool. The PDU Central Library checks for identical or matching text of the document, auto-generates the percentage of similarity index and issues plagiarism verification report/certificate.
Plagiarism detection software/tool**	means a free/proprietary software/ tool that checks for identical or matching text of the document and auto-generates the percentage of similarity index.
Proprietary plagiarism detection software/tool **	means a paid software subscribed by the University (except the software provided to the University with no cost by any relevant regulatory bodies).
Plagiarism verification report**	means a report issued by the PDU Central Library (which is part of the plagiarism verification form-Annexure-3) after verifying the document using a plagiarism detection software/tool. The report is issued along with the duly checked document and auto-generated plagiarism report.
Plagiarism verification report auto-generated by a software**	means a report that is auto-generated by a plagiarism detection software with the list of matching sources/ literature, percentage of similarity, total similarity index and other details.
Plagiarism verification certificate**	means a certificate (Annexure-4) issued by the PDU Central Library when the percentage of similarity index is 10% or below 10% which is permissible level of similarity index as per the Regulations, 2018.
Programme*	means a programme of study leading to the award of a masters and research level degree.
Proper channel**	means a student/researcher submitting a document for plagiarism verification through the concerned Supervisor/ faculty/official/authority/ department.
Researcher*	refers to a person conducting academic/ scientific research in the University.
Regulations, 2018/ UGC Regulations, 2018**	refers to University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018.
Research documents/ documents**	means theses, dissertations, projects, papers, articles, etc.

Similarity index**	means the percentage of matching/similar text provided/auto-generated by a plagiarism detection tool after checking a document.
Stakeholders**	means teaching and other academic staff, non-teaching staff, researchers, and students of the University.
Student*	means a person duly admitted and pursuing a programme of study including a research programme in any mode of study (full time or part-time or distance mode).
Source*	means the published primary and secondary material from any source whatsoever and includes written information and opinions gained directly from other people, including eminent scholars, public figures and practitioners in any form whatsoever as also data and information in the electronic form be it audio, video, image or text; Information being given the same meaning as defined under Section 2 (1) (v) of the Information Technology Act, 2000 and reproduced here in Regulation 2 (l).
University**	means Central University of Haryana.
Year**	means the academic session/year.

**as defined in UGC Regulations, 2018*
*** functional/working definitions/explanations*

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Annexure-1: University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018

Annexure-2: Resolution passed in the 39th Meeting of Executive Council of the University held on 18th Oct. 2018

Annexure-3: Plagiarism verification form for dissertation/ thesis of MPhil/PhD

Annexure-4: Plagiarism verification certificate for dissertation/ thesis of MPhil/PhD

Part-A: Policy of research integrity and plagiarism

1. Introduction

1.1. Central University of Haryana (CUH) promotes ethical conduct of research and publication activities. Therefore, the University **adopted** the *University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018* (Annexure-1) (henceforth referred to as "UGC Regulations, 2018" or "Regulations, 2018") in 2018 itself (Annexure-2). The University fraternity is highly committed to ethical research and publication practices in line with the said regulations and other related ethical/ professionals standards.

This Policy, which is prepared in line with the UGC Regulations 2018, shall come handy to all the concerned stakeholders to understand and effectively follow the policy/ procedures while dealing with any form of academic integrity, availing plagiarism verification services and preventing any kind of plagiarism activity.

2. Objectives of the policy

2.1. To create **awareness** about ethical conduct of research and publication activities by following the UGC Regulations, 2018, and all concerned ethical guidelines/ standards/ rules issued by relevant bodies from time to time;

2.2. To comply one of the **directives/ components** as stated in UGC Regulation, 2018 (Annexure-1, Sr. No. 6.e.,pg.9) that "HEI shall develop a policy on plagiarism.."

2.3. To **revive/ set up** an appropriate system, technology, mechanism in the University and provide plagiarism verification service to ensure that the research documents of the University fraternity are free of any form of plagiarism.

3. UGC Regulations, 2018: Its adoption and implementation

3.1. **Regulations:** The University (CUH) has adopted the UGC Regulations, 2018 vide resolution No. 18, pg. 27, passed in the 39th Meeting of the Executive Council of the University held on 18th Oct. 2018 (Annexure-2).

3.2. **Compliance and discretionary power**

3.2.1. This policy is prepared **based on** the UGC Regulations, 2018 for achieving academic integrity and preventing plagiarism. All the concerned stakeholders shall abide by this Policy for the effective implementation.

3.2.2. While executing the provisions contained in this Policy, the concerned stakeholders shall ensure strict **compliance** with this policy, UGC Regulations, 2018 and/or any relevant rules/guidelines/statutes/others as amended from time to time, whichever is applicable.

3.2.3. In case of any **ambiguity**, UGC Regulations, 2018, relevant rules/guidelines/statutes/others and the directions of the competent authority shall prevail and binding.

3.2.4. In case of any **clash** in the domain of responsibilities contained in this policy, the competent authority shall take appropriate decision on case to case basis.

3.2.5. In case of any inadvertent **discrepancy/error** is observed (although every care has been taken to avoid any sort of ambiguity/discrepancy) in this policy, the same may be brought to the notice of the competent authority/concerned branch/department for necessary action.

4. Plagiarism verification service and plagiarism detection software

4.1. **Software/ tool:** As specified in the UGC Regulations, 2018, the University shall facilitate/ use an appropriate software/ plagiarism detection software.

4.2. **Facilitating Branch:** Such facility shall be provided through Pandit Deendayal Upadhyaya (PDU) Central Library. It shall provide the login credentials to the concerned, (as long as the facility is available and/or subject to the approval of the competent authority) mentioned in this policy, to use a plagiarism detection software.

4.3. **Submission for plagiarism verification:**

a) The PDU Central Library shall use a proprietary plagiarism detection software (as long as the facility is available) for checking PhD/ MPhil theses/ dissertations and research papers only. Thesis/ dissertation should be submitted to the Library through proper channel using the prescribed plagiarism verification form (Annexure-3) and research papers through email (library@cuh.ac.in).

The Library staff viz. Deputy Librarian, Assistant Librarian, Information Scientist and the trained Library professionals of the University shall check the submitted document using a plagiarism software and issue/s a report of the same. University Librarian shall certify the plagiarism verification certificate/ report of PhD/ MPhil theses/ dissertations and other documents, if any.

b) Access to an appropriate/ a proprietary plagiarism verification software shall be given to the faculty (as long as the facility is available and subject to the permission/approval of the competent authority) for checking: (i) UG/PG/PhD/MPhil/others assignments, internship projects, Master degree dissertations and any similar documents and (ii) research projects, papers, MOOC documents/ others.

c) Access to an appropriate plagiarism verification software shall also be given to the PhD/MPhil researchers (as long as the facility is available and subject to the permission/approval of the competent authority) for checking their assignments, synopsis, internship projects, chapters, papers, articles, and other similar documents.

4.4. **Language and font style:** The users of the software/tool shall check/submit document in English/ regional language, provided such facility is available/supportive in the appropriate/particular plagiarism software. The font style of the regional language should be compatible with the appropriate/particular plagiarism software. The

document in Devanagari script should preferably be in Mangal/ Kokila.

4.5. **Discontinuation of software:** In the absence or discontinuation of a proprietary plagiarism detection software or any software (being used and facilitated by the University/ UGC/ INFLIBNET or statutory bodies) for whatsoever reason (mainly due to unavailability of funds, requisition, approval of the authority, etc.), the University/ PDU Central Library shall use an appropriate software subject to the permission/ approval of the competent authority.

5. Submission of thesis/dissertation of PhD/ MPhil for plagiarism verification

5.1. **Thesis/ dissertation:** Before submitting the final copy/version of PhD/ MPhil thesis/ dissertation to the concerned Branch/Department, the research scholars of PhD/ MPhil shall submit his/ her full-text thesis/ dissertation to PDU Central Library (library@cuh.ac.in) through proper channel for checking for plagiarism and availing plagiarism verification report/ certificate (*See also* Part-B).

5.2. **Application Form** for plagiarism verification may be obtained from the University/ Library website (Annexure-**3**).

5.3. **Complete document:** The thesis/ dissertation should be submitted in totality i.e. from first page to the last page including all the content preferably in MS-Word file format. Hard copies and soft copies/files of thesis/ dissertation through/in pen drive/ other storage media for plagiarism verification shall not be accepted.

5.4. **Verification charges:** Such submitted document/s shall be checked with no charges/ cost using a plagiarism detection software (as long as the facility is available).

5.5. **Limit of submissions:** Up to three times a researcher can submit the thesis/ dissertation (through proper channel) for plagiarism verification. Beyond this, student may submit a written application with proper justification through proper channel for consideration and further necessary procedure/action.

5.6. **Timely submission:** Before submitting the final copy/version PhD/ MPhil thesis/ dissertation to the concerned Branch, a thesis/ dissertation should be submitted well in advance to PDU Central Library for availing plagiarism verification report/ certificate. The concerned Branch/ Library shall not be responsible for any delay caused due to whatsoever reason from the applicant's side.

5.7. **Published documents:** Already published documents of faculty/student shall not be checked unless such request may be made, with a proper justification, through a proper channel. The decision to permit already published document/s shall be subject to decision of the competent authority.

6. Similarity index, permissible limit, plagiarism verification report and certificate

6.1. **Permissible limit of similarity index:** As per the UGC Regulations, 2018 the permissible limit of similarity index is up to 10%.

6.2. **Issuance of plagiarism verification report/ certificate:** PDU Central Library shall issue plagiarism verification report (Annexure-3) and certificate (of PhD /MPhil thesis/ dissertation-Annexure-4) separately if the similarity index is within the permissible limit of 10% as per the UGC Regulations, 2018. The plagiarism report/certificate of the duly checked thesis/dissertation shall be sent to the concerned Head of Department in a closed envelop and scanned copy/copies to the concerned through e-mail.

6.3. **Exception:** Plagiarism verification report shall be issued but not the certificate, if the similarity index of the theses/dissertation is beyond the permissible limit of 10%.

6.4. **Mandatory documents:** Both plagiarism verification report and certificate shall be mandatory to formally submit the final thesis/ dissertation of PhD/ MPhil to the concerned Branch/Department.

6.5. **Differing similarity index:**

(a) The similarity index/ percentage differs from software to software (due to the depth of text mining, size of repository, coverage, features, exclusion features, matching by the software/ tool, etc.).

(b) Despite using the same software, the similarity index may differ due to differing dates of checking or selective use of exclusion features or excluding exclusion options/features or any other features that directly or indirectly become a deciding factor for similarity index.

6.6. **Remedy:** In case the similarity index is above 10%, the researcher shall revisit the document in consultation with his/her research supervisor. The revised thesis/ dissertation may be resubmitted through proper channel for rechecking.

7. Exclusion from plagiarism and exceptional cases

7.1. **Exclusion** of any content (from the document for plagiarism verification) shall be as per the UGC Regulations, 2018 (Sr. No. 7, pg.10);

7.2. **Published papers:** Papers published by a research student with the CUH affiliation during the research degree may be excluded (while plagiarism verification) provided the required details are mentioned in the plagiarism verification form (Annexure-3) and submitted through proper channel.

7.3. **Other exclusions**, if any, in the light of Sr. No. 7.1 of this policy, may be communicated/ requested to the PDU Central Library by the Supervisor through proper channel with proper justification (wherever necessary/applicable). Other related/ allied exclusions if any, may be communicated to the PDU Central Library by the Supervisor through proper channel with proper justification. Such requests/communication may be documented with facts/ supporting documents, if any.

7.4. **Note:** Exclusion feature of/in a plagiarism detection software differs from software to software. So some exclusion options may or may not be exercised/available due to the nature/ feature of the software.

8. Constitution of DAIP and IAIP

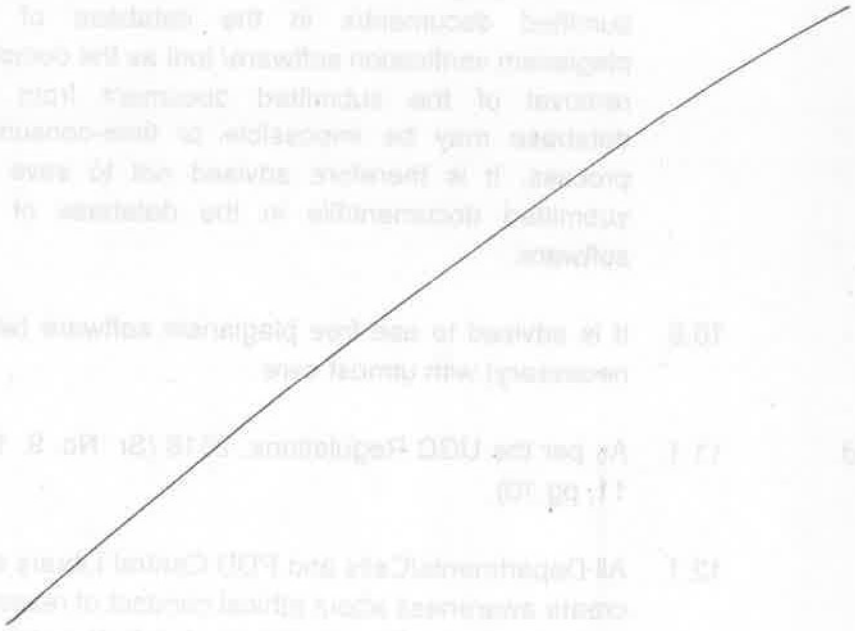
8.1. The competent authority shall constitute/ nominate Departmental Academic Integrity Panel (DAIP) and Institutional Academic Integrity Panel (IAIP) as per the UGC Regulations, 2018 (Sr. No. 10 and 11, pg.10-11).

9. Penalties	9.1.	As per the UGC Regulations, 2018 (Sr. No. 12, pg.11-12).
10. Confidentiality	10.1.	The stakeholders shall maintain confidentiality of the documents, researchers, login credentials of a plagiarism detection software and any associated information.
	10.2.	The stakeholders of the plagiarism detection software shall not share the login credentials with any third party.
	10.3.	Verifying documents of third party with monetary benefit or otherwise is strictly prohibited.
	10.4.	All the verifying staff/faculty shall mention the name and affiliation of the author either in the document or in the software/tool.
	10.5.	The verifying staff/faculty shall not deposit the sumitted document/s in the database of the plagiarism verification software/ tool as the complete removal of the submitted document from the database may be impossible or time-consuming process. It is therefore advised not to save the submitted document/file in the database of the software.
	10.6.	It is advised to use free plagiarism software (when necessary) with utmost care.
11. Complaints and appeals	11.1.	As per the UGC Regulations, 2018 (Sr. No. 9, 10 & 11, pg.10).
12. Training and awareness for curbing plaglarism	12.1.	All Departments/Cells and PDU Central Library shall create awareness about ethical conduct of research, tools to check for plagiarism, UGC Regulations, 2018, etc. by conducting various workshops/ programmes/ others in line with UGC Regulations, 2018 (Sr. No.5 and 6, pg. No.9).
13. Uploading of theses and dissertations	13.1.	The concerned Branch shall share the soft copy of the PhD thesis (post awarding) to the PDU Central Library for uploading on 'Gyan Pravah' (institutional digital repository) and ShodhGanga.
	13.2.	The concerned Branch shall share the soft copy of the MPhil dissertation (post awarding) to the PDU

Library for uploading on 'Gyan Pravah' (institutional digital repository).

14. Updates /revisions

14.1. The policy/formats/forms may be revised from time to time to incorporate the necessary changes, with the permission/approval of the competent authority, wherever necessary.



Part-B: Procedures to avail plagiarism verification service: Theses/ dissertations of PhD/ MPhil

Note: All concerned shall go through the UGC Regulations, 2018 and this Policy/Procedures thoroughly before availing plagiarism verification service from PDU Central Library.

15. Procedures and necessary formalities

15.1. Researcher downloads the prescribed plagiarism verification form from the University/Library website (Annexure-3).

15.2. Researcher submits the duly filled in plagiarism verification form to his/her Supervisor.

15.3. Supervisor endorses and submits the duly filled in form to the Head of Department of the concerned Department;

15.4. Head of Department endorses the form.

15.5. Supervisor submits/mails the soft copy of the thesis/ dissertation (library@cuh.ac.in) and the duly filled in hard copy of the plagiarism verification form to the PDU Central Library.

15.6. Central Library checks the document through a plagiarism detection software (as long as the facility is available).

15.7. Central Library issues plagiarism verification report as well as certificate (Annexure-4), if/when the similarity index is within the permissible limit (i.e. up to 10%) whereas it issues plagiarism verification report only and not certificate if/when the similarity index is beyond 10%.

16. File format and content

16.1. Document in a single MS-Word file should be submitted for plagiarism verification. PDF format of the document shall be accepted in an exceptional case only.

16.2. The document/file should be in totality and no part of the same should be removed before submitting for plagiarism verification.

17. Useful materials for reference

17.1. The following selected titles are highly useful for understanding the concepts, issues, solutions, trends, etc. on plagiarism, academic integrity and ethical conduct of research and publication activities:

a) Good Academic and Research Practices/ UGC
b) Academic Integrity and Research Quality/ UGC

c) Assessing research: the slippery slope/ Current Science
d) India's Fight Against Predatory Journals: An Interview with Professor Bhushan Patwardhan/ The Scholarly Kitchen
e) UGC-CARE initiative to promote research quality, integrity and publication ethics / Current Science
f) Guidelines for Research Ethics in the Social Sciences, Law and the Humanities/ National Committees for Research Ethics in Norway
g) Guidelines for Ethics in Research and in Governance/ CSIR

*****

Annexure-VII

Department of Vocational Studies and Skill Development <ddukk@cuh.ac.in>

Approval of LOCF based curriculum for B.Voc programs at Central University of Haryana

4 messages

Department of Vocational Studies and Skill Development <ddukk@cuh.ac.in> Thu, May 5, 2022 at 3:25 PM
To: rbaskar@ignou.ac.in, pkmaurya@cuh.ac.in, suyashmishra@cuh.ac.in, "Dr. Sandhya Chintala (NASSCOM)" <sandhya@nasscom.in>
Cc: sushmayadav4@gmail.com, Vikas Saini <vikassaini@cuh.ac.in>

Respected Sir/Ma'am,

Greetings from Central University of Haryana!

This is to inform you that the department of Vocational Studies and Skill Development, Central University of Haryana has revised the curriculum of all three B.Voc programs (Retail and Logistics Management, Industrial Waste Management & Biomedical Sciences) as per the learning outcome based curriculum framework (LOCF).
Please find attached the curriculum of all three B.Voc programs as a pdf file.

We look forward to the approval of the syllabus for all three programs.
We will be grateful if you can share your response as early as possible.

Thank You & Regards

--
Prof. (Dr.) Pawan Kumar Maurya
Coordinator
Department of Vocational Studies and Skill Development
Central University of Haryana
Mahendergarh Haryana 123029
Website: www.cuh.ac.in E-mail: hodvssd@cuh.ac.in
Tel (office): +91 (0)-1285-260140

3 attachments

LOCF RLM.pdf
729K

LOCF BMS.pdf
1679K

LOCF IWM.pdf
1180K

Dr. R Baskar <rbaskar@ignou.ac.in> Fri, May 6, 2022 at 6:15 AM
To: Department of Vocational Studies and Skill Development <ddukk@cuh.ac.in>
Cc: pkmaurya@cuh.ac.in, sushmayadav4@gmail.com, Vikas Saini <vikassaini@cuh.ac.in>

Dear Prof Pawan Kumar Maurya,

Greetings!

The syllabus is well designed and in alignment with NEP 2020 and as per UGC LOCF. I approve.

Regards,

Professor R. Baskar, FGS (*Ind)*, FGGS
School of Sciences
Indira Gandhi National Open University (IGNOU)
New Delhi-110068

Member, State Level Environment Impact Assessment Authority, Haryana

Chairperson, Geological Society of India - Regional Center, Delhi

Geological Society of India, Council Member

International Union of Geological Sciences-IGEO Geoscience Education Field Officer

International Union of Geological Sciences-GCS Committee Member

International Geoscience Education Organization-Council Member (India)

Society for Promotion of Science and Technology in India, Governing Council Member

Geology in Public Interest, Washington, Technical Advisory Committee Member

Member- Speleological Association of India

Curriculum Vitae

My Earth Science Educator Story

Research

Mobile: 9416439339
Email: rbaskar@ignou.ac.in

Former Director (Public Outreach)
Former Chairperson
Department of Environmental Science and Engineering
Guru Jambheshwar University of Science and Technology
Hisar

Continuous improvement of the mind, body and soul

On Thu, May 5, 2022 at 3:25 PM Department of Vocational Studies and Skill Development <ddukk@cuh.ac.in> wrote:

> Respected Sir/Ma'am,
>
> Greetings from Central University of Haryana!
>
> This is to inform you that the department of Vocational Studies and Skill Development, Central University of Haryana has revised the curriculum of all three B.Voc programs (Retail and Logistics Management, Industrial Waste Management & Biomedical Sciences) as per the learning outcome based curriculum framework (LOCF).
> Please find attached the curriculum of all three B.Voc programs as a pdf file.
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> We look forward to the approval of the syllabus for all three programs.
> We will be grateful if you can share your response as early as possible.
>
> Thank You & Regards
>
> --
> Prof. (Dr.) Pawan Kumar Maurya
> Coordinator

Department of Vocational Studies and Skill Development
Central University of Haryana
Mahendergarh Haryana 123029
Website: www.cuh.ac.in E-mail: hodvssd@cuh.ac.in
Tel (office): +91 (0)-1285-260140

Dr. Pawan Kumar Maurya <pkmaurya@cuh.ac.in> Fri, May 6, 2022 at 12:58 PM
To: "Dr. R Baskar" <rbaskar@ignou.ac.in>
Cc: Department of Vocational Studies and Skill Development <ddukk@cuh.ac.in>, sushmayadav4@gmail.com, Vikas Saini <vikassaini@cuh.ac.in>

Dear Sir/Madam,
The Syllabus is Approved from your end.

Thanking you,
best regards,
Pawan

Prof. (Dr.) Pawan Kumar Maurya
Professor & Head
Department of Biochemistry
Central University of Haryana
Mahendergarh (Haryana)-123031, INDIA
Email :pkmaurya@cuh.ac.in
Tel (office): +91 (0)-1285-260140
Tel (Res.):+91 (0)-9560869477
Web: http://www.cuh.ac.in/biochemistry.aspx

On Thu, May 5, 2022 at 5:45 PM Dr. R Baskar <rbaskar@ignou.ac.in> wrote:

> Dear Prof Pawan Kumar Maurya,
>
> Greetings!
>
> The syllabus is well designed and in alignment with NEP 2020 and as per UGC LOCF. I approve.
>
> Regards,
>
> Professor R. Baskar, FGS (*Ind)*, FGGS
> School of Sciences
> Indira Gandhi National Open University (IGNOU)
> New Delhi-110068
>
> *Member, State Level Environment Impact Assessment Authority, Haryana*
>
> *Chairperson, Geological Society of India - Regional Center, Delhi*
>
> *Geological Society of India, Council Member*
>
> *International Union of Geological Sciences-IGEO Geoscience Education Field Officer*
>
> *International Union of Geological Sciences-GCS Committee Member*
>
> *International Geoscience Education Organization-Council Member (India)*

Society for Promotion of Science and Technology in India, Governing Council Member

Geology in Public Interest, Washington, Technical Advisory Committee Member

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Curriculum Vitae

My Earth Science Educator Story

Research

Mobile: 9416439339
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Former Director (Public Outreach)
Former Chairperson
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Guru Jambheshwar University of Science and Technology
Hisar

Continuous improvement of the mind, body and soul

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> --
> Prof. (Dr.) Pawan Kumar Maurya
> Coordinator
> Department of Vocational Studies and Skill Development
> Central University of Haryana
> Mahendergarh Haryana 123029
> Website: www.cuh.ac.in E-mail: hodvssd@cuh.ac.in
> Tel (office): +91 (0)-1285-260140

Dr. Suyash Mishra <suyashmishra@cuh.ac.in> Fri, May 6, 2022 at 4:19 PM
To: Department of Vocational Studies and Skill Development <ddukk@cuh.ac.in>
Cc: rbaskar@ignou.ac.in, "Dr. Pawan Kumar Maurya" <pkmaurya@cuh.ac.in>, sandhya@nasscom.in

Dear Sir/Madam,

Dear Sir/Madam,

This syllabus is approved from my side.

Thanking you

With Regards,
Dr. Suyash Mishra
Assistant Professor
Retail & Logistics Management
Department of Vocational Studies and Skill Development
Central University of Haryana

On Thu, May 5, 2022 at 3:25 PM Department of Vocational Studies and Skill Development <ddukk@cuh.ac.in> wrote:

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> Please find attached the curriculum of all three B.Voc programs as a pdf file.
>
> We look forward to the approval of the syllabus for all three programs.
> We will be grateful if you can share your response as early as possible.
>
> Thank You & Regards
>
> --
> Prof. (Dr.) Pawan Kumar Maurya
> Coordinator
> Department of Vocational Studies and Skill Development
> Central University of Haryana
> Mahendergarh Haryana 123029
> Website: www.cuh.ac.in E-mail: hodvssd@cuh.ac.in
> Tel (office): +91 (0)-1285-260140

Learning Outcomes-Based Curriculum Framework (LOCF)



Scheme and Syllabus of

B. Voc. (Retail and Logistics Management)

(Three-Year Bachelor's Degree Programme)

w.e.f. 2022-23

Department of Vocational Studies and Skill Development

School of Life-long Learning

Central University of Haryana
Mahendergarh, Haryana

BACKGROUND

Considering the curricular reforms as instrumental for desired learning outcomes, all the academic departments of Central University of Haryana made a rigorous attempt to revise the curriculum of undergraduate and postgraduate programmes in alignment with National Education Policy-2020 and UGC Quality Mandate for Higher Education Institutions-2021. The process of revising the curriculum could be prompted with the adoption of "Comprehensive Roadmap for Implementation of NEP-2020" in the 32nd meeting of the Academic Council of the University held on April 23, 2021. The roadmap identified the key features of the Policy and elucidated the Action Plan with well-defined responsibilities and indicative timeline for major academic reforms.

The process of revamping the curriculum started with the series of webinars and discussions conducted by the University to orient the teachers about the key features of the Policy, enabling them to revise the curriculum in sync with the Policy. Proper orientation of the faculty about the vision and provisions of NEP-2020 made it easier for them to appreciate and incorporate the vital aspects of the Policy in the revised curriculum focused on 'creating holistic, thoughtful, creative and well-rounded individuals equipped with the key 21st century skills' for the 'development of an enlightened, socially conscious, knowledgeable, and skilled nation'.

With NEP-2020 in background, the revised curricula articulate the spirit of the policy by emphasizing upon— integrated approach to learning; innovative pedagogies and assessment strategies; multidisciplinary and cross-disciplinary education; creative and critical thinking; ethical and Constitutional values through value-based courses; 21st century capabilities across the range of disciplines through life skills, entrepreneurial and professional skills; community and constructive public engagement; social, moral and environmental awareness;

Organic Living and Global Citizenship Education (GCED); holistic, inquiry-based, discovery-based, discussion-based, and analysis-based learning; exposure to Indian knowledge system, cultural traditions and classical literature through relevant courses offering 'Knowledge of India'; fine blend of modern pedagogies with indigenous and traditional ways of learning; flexibility in course choices; student-centric participatory learning; imaginative and flexible curricular structures to enable creative combination of disciplines for study; offering multiple entry and exit points initially in undergraduate programmes; alignment of Vocational courses with the International Standard Classification of Occupations; breaking the silos of disciplines; integration of extra-curricular and curricular aspects; exploring internships with industry and businesses; closer collaborations between industry and higher education institutions for technical, vocational and science programmes; and formative assessment tools to be aligned with the learning outcomes, capabilities, and dispositions as specified for each course.

In case of UG programmes in Engineering and Vocational Studies, it was decided that the departments shall incorporate pertinent NEP recommendations while complying with AICTE, NBA, NSQF, International Standard Classification of Occupations, Sector Skill Council, Industry and other relevant agencies/sources. The University has also developed consensus on adoption of Blended Learning with 40% component of online teaching and 60% face to face classes for each programme.

The revised curricula of various programmes could be devised with concerted efforts of the faculty, Heads of the Departments and Deans of Schools of Study. The draft prepared by each department was discussed in series of discussion sessions conducted at Department, School and the University level. The leadership of the University has been a driving force behind the entire exercise of

developing the uniform template and structure for the revised curriculum. The Vice Chancellor of the University conducted series of meetings with Heads and Deans to deliberate upon the vital parameters of the revised curriculum to formulate a uniform template. The experts of various Boards of Studies and School Boards contributed to a large extent in giving the final shape to the revised curriculum of each programme.

To ensure the implementation of curricular reforms envisioned in NEP-2020, the University has decided to implement various provisions in a phased manner. Accordingly, the curriculum may be reviewed annually.

PROGRAMME OUTCOMES

After successful completion of the programme:

PO-1 Learners will be able to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO-2 Learners will be able to execute comprehensive knowledge and understanding of one or more discipline that form part of retail, logistics, business and management studies.

PO-3 Learners will be able to engage in reflective and independent thinking by understanding the concepts in every area of entrepreneurship development, retail , logistics and business.

PO-4 Learners will be able to examine the results and apply them to various problems appearing in different branches of vocational studies, skill development and business.

PO-5 Learners will be able to deduce a business problem and apply the class room learning into practice to offer a solution for the same.

PO-6 Learners will be able to comprehend solution to sustain problems originating in the diverse business management areas such as Retail, Logistics, Supply Chain Management, Finance, Marketing, and Human Resource.

PO-7 Learners will be able to develop managerial knowledge and tactical dexterity, with a broader skill set and encourages them to seek out audacious, innovative solutions for today's business.

PO-8 Learners will be able to search for, locate, extract, organise, evaluate, and use or present information that is relevant to a particular topic.

PO-9 Learners will be able to use various technical ICT tools for exploring, analysis, and using the information for business purposes.

PO-10 Learners will be able to recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PO-11 Learners will be able to get capability of self-paced and self-directed learning aimed at personal development and for improving knowledge/skill development and reskilling in various areas of studies.

PROGRAMME SPECIFIC OUTCOMES

On completing B.Voc. Retail and Logistics Management Programme, the students shall be able to realize following outcomes:

PSO-1 Demonstrate judicious mix of skills relating to a profession and appropriate content of business management.

PSO-2 Locate themselves as skilled manpower for industries at various white-collar positions.

PSO-3 Exhibit the ability to work as a professional and to develop entrepreneurial, conceptual, leadership and human skills.

PSO-4 Develop creative and critical insights to handle various challenges of corporate world.

PSO-5 Participate in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

PSO-6 Identify business opportunities, design and implement innovations in work space.

PSO-7 Equip with communication and presentation skills to deal with critical business situations.

PSO-8 Develop creative, healthy, analytical sound mind with spiritually awakened soul for enlightened citizenship.

PSO-9 Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PSO-10 Engage in independent and life-long learning.

TEACHING LEARNING OUTCOME METHODOLOGIES

Learning based curriculum designed for various courses under B. Voc. (Retail and Logistics Management) Programme aim for dissemination of up-to-date knowledge, development of student's capability to use ideas and information, and their ability to test those ideas and evidence. The courses also aim for facilitating the personal development and capacity of students to plan and manage their own learning. Instead of using traditional teaching methods, new teaching methods and pedagogical tools are required to ensure the achievement of desired learning outcomes for each of the courses. In view of the programme outcomes, following teaching methodologies will be used:

- Class room lectures;
- Use of up-to-date textbooks, other learning resources;
- Use of internet to support and explore the knowledge;
- Use of case studies;
- Practical exercises for each course to augment the learning;
- Work experience through internship and fieldwork;
- Projects;
- Demonstrations;
- Group working;
- Simulations (e.g. computer based);
- Problem solving;
- Discussion and debate;
- Role play;
- Quizzes;
- Seminar presentations;
- Class presentations;
- Tutorials;
- Examination papers

ASSESSMENT OUTCOME MEASUREMENT METHODS

Methods of measuring student learning are often characterized as summative or formative assessments:

Summative assessments: It includes case study analysis, assessment and evaluation of internship reports, project report evaluation, tests, quizzes, and other graded course activities that are used to measure the performance of learner. These assessments are cumulative and often reveal what students have learned at the end of a unit or the end of a course. Within a course, summative assessment includes the system for calculating individual student grades.

Formative assessment: It includes any means by which students receive input and guiding feedback on their relative performance to help them improve. It can be provided face-to-face in office hours, in written comments on assignments.

An array of direct and indirect methods should be used based upon the above-mentioned methodologies and assessment tools to assess the level of learning outcome(s) under each course with more weightage on 'Formative Assessment' to ensure that the learner improves during the teaching learning process. Direct measures require a learner to present or demonstrate their learning or produce work so that observers can assess how well students' work or responses fit institution-or program-level expectations of outcomes. It includes examinations, field experience, internship, lab reports, case studies, etc. as mentioned under Teaching Learning Outcome Methodologies and Summative Assessment. Through the indirect measures, the observer would be able to infer student abilities, knowledge, and values based on an analysis of reported perceptions about student mastery of outcomes using the indirect measures.

BLENDED LEARNING

One of the objectives of B.Voc. Retail and Logistics Management is to provide quality skill education. Success of skill education requires direct interaction of students with the industrial experts and hands-on-industrial training. Learning at B.Voc. Retail and Logistics Management program in CUH involves regular expert lectures of the industrial experts. With the online classes being the option in NEP-2020, department will try to conduct online expert classes from the industry for the skill enhancement of the students.

SCHEME AND SYLLABUS

Bachelor of Vocation (B.Voc.) in

Retail and Logistics Management

DEPARTMENT of VOCATIONAL Studies and Skill Development

School of Life-long Learning

Central University of Haryana

Mahendergarh, Haryana

CENTRAL UNIVERSITY OF HARYANA

School of Life-long Learning

Department of Vocational Studies and Skill Development

B. Voc. (RETAIL AND LOGISTICS MANAGEMENT)
(Three-Year Degree Programme)
(Semester-wise Course Structure)
(w.e.f. 2022-23)

B. Voc. (RETAIL AND LOGISTICS MANAGEMENT)

SEMESTER – I

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL RLM 11 01 C 2103	Principles and Practices of Management	2	1	0	3	75
CC	SLLL RLM 11 02 C 2103	Fundamentals of Retailing	2	1	0	3	75
CC	SLLL RLM 11 03 C 2103	Business Environment	2	1	0	3	75
CC	SLLL RLM 11 04 C 2103	Business Communication	2	1	0	3	75
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

B. Voc. (RETAIL AND LOGISTICS MANAGEMENT)

SEMESTER – II

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL RLM 12 01 C 2103	Principles of Marketing	2	1	0	3	75
CC	SLLL RLM 12 02 C 2103	Introduction to Logistics Management	2	1	0	3	75
CC	SLLL RLM 12 03 C 2103	Organizational Behaviour	2	1	0	3	75
CC	SLLL RLM 12 04 C 2103	Business Economics	2	1	0	3	75
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

B. Voc. (RETAIL AND LOGISTICS MANAGEMENT)

SEMESTER – III

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL RLM 23 01 C 2103	Strategic Planning in Retail Management	2	1	0	3	75
CC	SLLL RLM 23 02 C 2103	Accounting for Managers	2	1	0	3	75
CC	SLLL RLM 23 03 C 2103	Environmental Studies	2	1	0	3	75
CC	SLLL RLM 23 04 C 2103	Business Ethics and Corporate Governance	2	1	0	3	75
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

B. Voc. (RETAIL AND LOGISTICS MANAGEMENT)

SEMESTER – IV

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL RLM 24 01 C 2103	Entrepreneurship Development	2	1	0	3	75
CC	SLLL RLM 24 02 C 2103	Business Laws	2	1	0	3	75
CC	SLLL RLM 24 03 C 2103	Human Resource Management	2	1	0	3	75
CC	SLLL RLM 24 04 C 2103	E-Commerce	2	1	0	3	75
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

B. Voc. (RETAIL AND LOGISTICS MANAGEMENT)

SEMESTER – V

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL RLM 35 01 C 2103	Advertisement and Sales Promotion	2	1	0	3	75
CC	SLLL RLM 35 02 C 2103	New Venture Planning and Management	2	1	0	3	75
CC	SLLL RLM 35 03 C 2103	Introductory Statistics for Business	2	1	0	3	75
CC	SLLL RLM 35 04 C 2103	Soft Skills & Personality Development	2	1	0	3	75
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

B. Voc. (RETAIL AND LOGISTICS MANAGEMENT)

SEMESTER – VI

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL RLM 36 01 C 2103	Digital Marketing	2	1	0	3	75
CC	SLLL RLM 36 02 C 2103	Warehouse Management	2	1	0	3	75
			L	**T**	**D**	**Credit**	
CC	SLLL RLM 36 03 C 0336	Project Report	0	3	3	6	150
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

L: Lectures T: Tutorial P: Practical

CC: Core Course SC: Skill Course

Semester I

Semester I

Course Title- PRINCIPLES & PRACTICES OF MANAGEMENT

Course Code- SLLL RLM 11 01 C 2103 **Credit- 3**

Course Objective- *The objective of this course is to develop competencies and knowledge of students to become effective professionals and to orient students on recent changes and development in the field of management.*

Learning Outcomes- After completion of the course, students will be able to:

1. Work effectively in organization with proper understanding of various aspects of management.
2. Explain principles and functions of management implemented in the organization.
3. Analyse the concept of delegation of authority and control.
4. Apply the knowledge about management in the real-life business situation.
5. Enhance their managerial ability and professional skills.
6. Comprehend and practice contemporary issues in management.

Course Contents-

Unit-I:- Management - Meaning, nature, functional areas of management; Management as a science, art or profession; Contributions of F.W.Taylor and Henry Fayol; Levels of Management; Managerial skills & roles. Planning - Meaning, nature, objectives, significance, and types of plans; Process of Strategic Planning; Management by Objective (MBO). Process and Techniques of Decision Making; Types of decisions - Programmed and non-programmed decisions; Case studies.

Unit-II:- Organizing - Meaning, Nature, Process and Principles of organization. Organisation structure - Determinants and Forms of organization structure - Line, Functional and Line & Staff, project, matrix, committees, Formal and informal organization. Delegation and Decentralization: Delegation– Meaning, Process, Principles. Centralisation and Decentralisation - Meaning, Degree of decentralization, Difference between delegation and decentralization; Case studies.

Unit-III:- Staffing & Directing - Meaning, nature, functions, and Factors affecting staffing; need and process of staffing; Case studies. Directing - Meaning and Principles of directing. Motivation - Meaning, Nature, Importance, Types of motivation, and Need Hierarchy Theory. Leadership - Meaning, Nature, Styles, Managerial grid; Case studies.

Unit-IV:- Controlling - Meaning, Nature, Importance, functions and process of controlling; Scope of Control in the organization - Strategic, Tactical, and Operational control; limitations, Techniques of controlling - traditional and modern; Factors in control effectiveness. Span of Control- Meaning, nature, significance and Factors influencing. Ethics in the contemporary management and corporate social responsibility; Contemporary Issues and Challenges in Management of 21st century; Case studies.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Participate in role play activity for describing the various levels of management and the ways the principles of management are used in defining the policies of the chosen organisation.
2. Participate in simulation activity wherein each learner is asked to prepare plans with respect to increasing the effectiveness in their respective organisation.
3. Participate in simulation activity wherein learners are asked to draft roles and responsibilities of members in the chosen organisation.

Suggested Readings-

1. Koontz, H., & Weihrich, H. Essentials of Manaagement: International and Leader Perspective. New Delhi: Tata McGraw Hill.
2. Pareek, U., & Khanna, S. Understanding organizational Behaviour. USA: Oxford.
3. Robbins, S. P., DeCenzo, D., Agarwal, M. N., & Bhattacharyya, S. Essentials of Management. New Delhi: Pearson Education.
4. Robbins, S. P., Judge, T., & Vohra, N. Organizational Behavior. New Delhi: Pearson Education.
5. Mukherjee, Principles of Management and Organisational behaviour, Tata McGraw Hill.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester I

Course Title - FUNDAMENTALS OF RETAILING

Course Code- SLLL RLM 11 02 C 2103 **Credit-3**

Course Objective - *The students will be introduced to the fundamental concepts of Retail Management and the career opportunities available in this field. This course provides an insight to the students regarding various issues associated with store operation, retail planning and development, consumer handling and the way of communicating with the consumer.*

Learning Outcomes- After completion of this Course, the student would be able:

1. To understand the fundamental concepts of retailing.
2. To understand the functions of retail business and various retail formats and retailing environment.
3. To develop understanding about retail consumers.
4. To integrate various points which help in developing brand image in retailing.
5. To recognize and understand the operations-oriented policies, methods, and procedures used by successful retailers in today's global economy.

Course Contents-

Unit-I:- Overview of Retailing - Concept, characteristics, scope, functions and importance of retailing; Driving forces of retailing; Economic impact of retailing; Factors influencing retailing; Challenges and opportunities in retailing. Formats of retail Institutions - Retail institutions by ownership, Retail institutions by store based strategy mix, Web and non-store based retailing, other forms of non-traditional retailing, Multichannel retailing.

Unit-II:- Market Structure – Scope, Current scenario and Size of retailing in India; Structure of retail competition; Challenges of retail development in India; Structural changes required for growth of Indian retail; Trends in Indian retailing structure.

Unit-III:- Consumer and Retail Business - Consumer behaviour in retailing, Buying Decisions of consumers, Buying roles of consumers; Mapping out society; External- Internal Variables influencing retail shopping behaviour; Modelling consumer behaviour.

Unit-IV:- Communicating with Customers - Establishing and Maintaining Retail Store Image; Steps in Building Retail Brand Image; Retail Image Dimensions; Retail Store Image Mix; Challenges in Building and Managing Retail Image. Methods of Promotion with customers; Planning process of retail promotion; Retail promotion Mix - Retail promotion programme, retail advertising media, promotional budget. Customer services, services quality gaps, service recovery.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Visit retail stores to explore different areas of retail and acquaint knowledge regarding various opportunities and concepts in retail sector.
2. Interact with employees of some stores to find out issues and challenges.
3. Prepare checklist for integrating various points which help in developing brand image in retailing.

Suggested Readings-

1. Madan K.V.S. Fundamental of Retailing, New Delhi: Tata Mcgraw-Hill.
2. Swapna Pradhan. Retailing Management-Text and Cases. Tata Mc Graw Hill.
3. Dunne P.M, Lusch R.F. and David A. Retailing, South-Western. Thomson Learning Inc.
4. Cox, Roger, & Brittan, Paul. Retailing Management – An Introduction. New Delhi: Pearson Education.
5. Larson, Carl M., Robert E. Wegand and John S. Wright. Basic Retailing. Prentice Hall.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester I

Course Title- BUSINESS ENVIRONMENT

Course Code- SLLL RLM 11 03 C 2103 **Credit- 3**

Course Objective- *The objective of the course is to develop understanding and provide knowledge about the issues of Indian business environment.*

Learning Outcomes- After completion of the course, students will be able to:

1. Develop understanding and fundamental knowledge about business environment.
2. Develop basic understanding of Indian Financial system.
3. Analyze cases of socio-cultural and technological environments for arriving at conclusions facilitating business decisions.
4. Develop understanding on the concepts of international business strategy.

Course Contents-

Unit-I:- Introduction to Business Environment - Concept, Nature, Significance, and Components of business environment. Environmental Scanning - nature, scope and process of environmental scanning; Techniques of Environment scanning. Economic environment of business - basic nature of Indian economic system and its impact on environment; social responsibility of business; Latest economic policy (Broad Features).

Unit-II:- Indian Financial System - Monetary Policy and Fiscal Policy; Stock Exchange of India; stock exchanges and business environment; Role of regulatory institutions in Indian financial system - RBI and SEBI; guidelines of SEBI relating to fresh issues of companies.

Unit-III:- Socio-Cultural Environment - Critical elements of socio-cultural environment; Social responsibility of business. Technological Environment - impact of technology; management of technology and competitive advantage. Liberalisation, Privatization and Disinvestments. Special Economic Zone. Competition Act 2002.

Unit-IV:- Introduction to Globalization - Globalization and its Impact on Indian economy; Factors facilitating globalization in India; globalization strategies and business environment. EXIM policy and role of EXIM bank. Foreign direct investment Policy (FDI) Policy. Multinational Corporations (MNCs), Challenges and opportunities for MNCs.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Analyze economic environment of selected organizations.
2. Study the impact of technological environmental on selected organizations.
3. Visit Special Economic Zones of nearby area to identity major incentives and facilities available for them.
4. Identify critical elements of socio-cultural environment of selected organizations.
5. Visit website of SEBI to find out the guidelines of SEBI relating to fresh issues of companies.

Suggested Readings-

1. Justin Paul. Business Environment. Tata McGraw-Hill Publishing Company Ltd, New Delhi.
2. Shaikh Saleem. Business Enviorment. Pearson.
3. Francis Cherunilam. Business Environment. Himalaya Publishing House, Mumbai.
4. Mishra & Puri. Indian Economy. Himalaya Publishing House, New Delhi.
5. K. Aswathappa. Essentials of Business Environment. Himalaya Publishing House, Delhi.
6. Suresh Bedi. Business Environment. Excel Book.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester I

Course Title- BUSINESS COMMUNICATION

Course Code- SLLL RLM 11 04 C 2103 **Credit-3**

Course Objective- *To understand business communication strategies and principles for effective communication in domestic and international business situations.*

Learning Outcomes- After completion of the course, students will be able to:

1. Know various forms of communication, and communication barriers.
2. Comprehend a variety of business correspondence and respond appropriately.
3. Communicate in writing for various business purposes.
4. Use appropriate grammatical constructions and vocabulary to communicate effectively.
5. Use business language and presentation skills.

Course Contents-

Unit-I:- Introduction - Definition and classification of communication; purpose of communication; process of communication; characteristics of successful communication; importance of communication in management; communication structure in organization; barriers and gateway in communication; 7 C's of effective communication; Case Studies.

Unit-II:- Verbal and non-verbal communication - Meaning of verbal communication and its types; principles of various kinds of verbal communications; effective listening. Non–verbal communication - meaning and its types. Written communication - Purpose of writing; pros and cons of written communication; clarity in writing; principles of effective writing; writing technique.

Unit-III:- Business letters and reports - Introduction to business letters; Types of business letter; Layout of business letter. Reports - definition and purpose; types of business reports; reports writing. Presentation skills – meaning, elements and process of presentation; designing a presentation; advanced visual support for business presentation; types of visual aid, appearance and posture; practicing delivery of presentation.

Unit-IV:- Developing Language Fluency - Articles, Parts of Speech, Tenses, synonyms/antonyms, spotting errors in paragraphs and sentences; Work and Job Vocabulary, writing of summaries and reviews of movies and books in English.

Skill Enhancement Practical Exercises-

The students are required to:

1. Interact with employees of some organisation to find out communication issues and challenges.
2. Make a vocabulary of various terms used in business documentation.
3. Collect some samples of business correspondence and documentations and find out their effectiveness.
4. Use verbal and non-verbal communication skills to express their presentation effectively.

Suggested Readings-

1. Lesikar, R. V., & Fiatley, M. E., Business Communication Skills for the Internet Generation. New York: Tata McGraw Hill Education.
2. Herta, M., Herbert, H., & Jane, T., Effective Business Communication. New York: Tata McGraw Hill Education.
3. Bovee, C., & Thill, J., Business Communication Essentials: A Skills-Based Approach, New York: Pearson Education.
4. Guffey, M. E., & Seefer, C. M., Business Learning. Boston: Cengage Learning.
5. Lowe, S., & Pile, L., Business English Language Practice: Grammar and Vocabulary. Delta Publishing.
6. Rani, D. S., Business Communication and Soft Skills Laboratory Manual. New Delhi: Pearson Education.
7. Taylor, S., Communication for Business: A Practical Approach, 4th Edition. Canada: Pearson Education.
8. Young, D. J., Foundations of Business Communication: An integrative Approach. New York: Tata McGraw Hill Education.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester II

Semester II

Course Title- PRINCIPLES OF MARKETING

Course Code- SLLL RLM 12 01 C 2103 **Credit-3**

Course Objective- *The course aims to equip the learners with the basic knowledge of concepts, principles, tools, and techniques of marketing and to provide knowledge about various developments in the marketing.*

Learning Outcomes- After completion of the course, students will be able to:

1. Develop an understanding of basic concepts of marketing, marketing philosophies and environmental conditions affecting marketing decisions of a firm.
2. Explain the dynamics of consumer behaviour and process of market selection through STP stages.
3. Analyze the process of value creation through marketing decisions involving product development.
4. Analyze the process of value creation through marketing decisions involving product pricing and its distribution.
5. Analyze the process of value creation through marketing decisions involving product promotion and also to equip them with the knowledge of various developments in marketing area that may govern marketing decisions of a firm.

Course Contents-

Unit-I:- Marketing- Meaning, Nature, Objectives, Scope, Importance of marketing; Marketing Concepts; Difference between marketing and selling. Need, and factors of Marketing Environment; Environmental Scanning. Marketing mix- developing marketing mix; role of marketing mix in marketing planning and strategy. An overview of modern concepts and practices of marketing- Social marketing, Social media marketing, Green marketing, Digital marketing, Guerilla marketing.

Unit-II:- Consumer buying decision- Meaning, Stages in Consumer buying decision process; Factors influencing consumer buying decisions. Market Selection- Market Segmentation: Levels and bases of segmenting consumer markets; Market Targeting- concept and criteria; Positioning strategy- concept and types; Case Studies.

Unit-III:- Product decisions- Concept, Classification, Levels of Product; product line decisions; product mix decisions. Branding- functions, strategies, types and qualities of good brand name. Packaging and Labeling decisions- functions, types and ethical aspects. Product Life Cycle- concept and marketing strategies. New Product Development- concept and process. Pricing Decisions- Concept, Objectives, Factors affecting the price of a product; Pricing methods and strategies; Case Studies.

Unit-IV:- Distribution Decisions- Nature, types, functions of distribution channels; factors affecting choice of distribution channel; Distribution strategies. Wholesaling and retailing. Promotion Decisions- Importance of promotion; Factors influencing promotion mix; Decision about Promotion mix tools including advertising, personal selling, sales promotion, public relations, publicity and direct marketing; Case Studies.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Analyze the impact of various environmental forces in the context of a given durable and non-durable product.
2. Analyze the marketing mix strategy of a durable and non-durable product.
3. Select any product and analyze its segmentation strategy in comparison to its immediate competitive product.
4. Analyze the case of product line extension and impact on business performance.
5. Analyze the distribution strategy of a given product.

Suggested Readings-

1. Etzel, M. J., Walker, B. J., Stanton, W. J., & Pandit, A., Marketing. New York: McGraw Hill.
2. Kotler, P., Armstrong, G., & Agnihotri, P., Principles of Marketing. London: Pearson Education.
3. Kotler, P., Keller, K. L., Koshy, A., & Jha, M., Principles of Marketing: A South Asian Perspective. London: Pearson Education.
4. Grewal, D., & Levy, M., Marketing. New York: McGraw Hill Education.
5. McCarthy, E. Jerome, Joseph P. Cannon and William D. Perrault, Jr., Basic Marketing: A Managerial Approach, McGraw Hill.
6. Saxena, R., Marketing Management. Delhi: Tata McGraw Hill Education.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester II

Course Title- INTRODUCTION TO LOGISTICS MANAGEMENT

Course Code- SLLL RLM 12 02 C 2103 **Credit-3**

Course Objective- *Course aims to enables students to demonstrate an understanding of logistics. Students will develop the ability to evaluate any logistics operations to which they are exposed and determine if it is working effectively. They will also be able to manage demand and customs service for establishing strong customer satisfaction strategy.*

Learning Outcomes- After the completion of this course, the student would be able:

1. To have basic understanding of the concept of logistics.
2. To understand the meaning of integrated logistics and describe the integrated logistics model.
3. To have proficiency in various logistics strategies.
4. To understand how to establish a customer satisfaction strategy.
5. To understand integrated logistics & quality customer service.

Unit I:- Introduction to Logistics - Definition, History and Evolution of Logistics; Objectives, Elements, activities, Importance of logistics; Logistics interface with marketing, Retails logistics; reduction in logistics cost; benefits of efficient Logistics; Principles of Logistics; Technology & Logistics. Listing of sub-sectors of logistics.

Unit II:- Logistics Management - Definition, Evolution of the concept, model, process and activities of Logistics Management. Achievement of competitive advantage through logistics framework; Role of logistics management. Relation to ERP –E – procurement; E - Logistics.

Unit III:- Logistics Strategies - Definition, Strategic role of logistics; Role of logistics managers in strategic decisions; Strategy options- Lean, Agile & other strategies; Designing & implementing logistical strategy; emerging concepts in logistics. Logistics and Customer Service – Definition and Elements of Customer Service; Phases in Customer Service, Customer Retention.

Unit IV:- Global Logistics - Global Supply Chain, Organizing for Global Logistics, Strategic Issues in Global Logistics; Forces driving Globalization; Modes of Transportation in Global

Logistics; Barriers to Global Logistics, Markets and Competition; Financial Issues in Logistics Performance. Integrated Logistics – Need for Integration; Activity centres in Integrated Logistics. Outsourcing Logistics- Role of Third party logistics provider (3PL), Fourth party Logistics providers (4PL).

Skill Enhancement Practical Exercises-

The learners are required to:

1. Visit any logistics company and study its supply process
2. Interact with movers and packers to identify functions, packaging materials and delivery.
3. Study of functions performed by various managers and employee at various logistics companies.
4. Prepare a questionnaire to measure the satisfaction level of customers.

Suggested Readings-

1. David J. Bloomberg, Stephen Lemay, Logistics, Pearson Education.
2. Donald J. Bowersox, David J. Closs, M. Bixby Cooper, Logistical Management Tata McGraw Hill Publishing Co. Ltd, New Delhi.
3. Donald Waters, Logistics, Palgrave Macmillan, New York.
4. Krishnaveni Muthiah, Logistics Management & World Sea borne Trade, Himalaya Publishing House, Mumbai.
5. Satish C. Ailawadi & Rakesh Singh, Logistics Management, Prentice-Hall of India Pvt Ltd., New Delhi.
6. Douglas Lambert, James R Stock, Lisa M. Ellram, Fundamentals of Logistics Management, McGraw-hill/Irwin.
7. Vinod V. Sople, Logistic Management, Pearson Limited.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester II

Course Title- ORGANISATIONAL BEHAVIOUR

Course Code- SLLL RLM 12 03 C 2103 **Credit- 3**

Course Objective- *To understand individual and group behaviour at work place for improving effectiveness of individual and organisation.*

Learning Outcomes- After completion of the course, students will be able to:

1. Differentiate between various types of personality.
2. Appreciate the applicability of decision-making process in real life situations.
3. Comprehend the level of motivation in employees.
4. Learn how to build a supportive organisational culture.
5. Understand individual, group and organizational behavior, which is essential for better management of an organization.
6. Understand various behavioral aspects affecting the operations of an organization.

Course Contents-

Unit-I:- Organisational Behaviour (OB)- Concept, Nature, and Importance of Organisational Behaviour; Challenges and opportunities of OB; Contributing disciplines of OB. Personality- Concept, Nature, Determinant, Personality types; Theories and applications; Factors influencing personality. Learning- Concept and theories; Case Studies.

Unit-II:- Perception- Concept, Nature, Importance, Perceptual process, Factors influencing perception; Errors in perception. Values- Concept, types of values- Terminal value and Instrumental Value. Attitude- Meaning, Types, Components, attitude formation and attitude change, job related attitudes; Case Studies.

Unit-III:- Motivation- Concept, Importance; Theories of Motivation- Maslow's, Herzberg's, McClelland's; Contemporary theories- Vroom's Expectancy Theory, Equity Theory, Reinforcement Theory; Motivation and organisational effectiveness. Leadership- Concept, Function, Types of leaders and leadership styles; Traits and qualities of effective leader; Theories of Leadership- Trait, Behavioural and Situational; Case Studies.

Unit-IV:- Group Dynamics- Concept, Stages of Group Development; Group Cohesiveness; Formal and Informal Groups; Group Processes and Decision Making; Importance of team work in organizations; Developing team leadership skills. Stress Management- Individual and organisational factors to stress; Prevention and Management of stress; Case Studies.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Assume a case for decision making in business context, write a report and present how they would proceed step by step to arrive at the final decision.
2. Design a questionnaire to measure the level of motivation.
3. Consider role model of a leader and describe the characteristics of that leader.
4. Practice stress management tools including meditation.

Suggested Readings-

1. Robbins, S. P., & Judge, T.A. Organizational Behaviour. New Delhi: Prentice- Hall of India.
2. Luthans, Fred. Organisational Behaviour. Tata Mc Graw Hill.
3. Davis, Keith. Human Behaviour at Works. Tata Mc Graw Hill, New Delhi.
4. Singh, K. Organizational behaviour: Text and cases. New Delhi: Pearson Education.
5. Newstrom, John W. Organisational Behaviour. Tata Mc Graw Hill.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester II

Course Title- BUSINESS ECONOMICS

Course Code- SLLL RLM 12 04 C 2103 **Credit- 3**

Course Objective- *The objective of this paper is to make the student understand how the business organizations work by applying economic principles in their Business Management.*

Learning Outcomes- After the completion of this course, the student would be able:

1. To understand the concept of various principles of business economics.
2. To understand the demand and supply analysis in business applications.
3. To understand the production and cost structure under different stages of production.
4. To analyse the causes and consequences of different market conditions.
5. To integrate the concept of price and output decisions of firms under various market structure.

Course Contents-

Unit-I:- Basic Concepts- Meaning, Nature, Scope of business economics; Role and Responsibilities of Business Economist. Fundamental principles of Business Economics – Incremental Principle, Marginal Principle, Opportunity Cost Principle, Discounting Principle, Concept of time principle, Equi-Marginal Principle. Utility Analysis - Cardinal Utility and Ordinal Utility.

Unit-II:- Demand and Supply Analysis- Meaning of Demand, Determinants of Demand, Kinds of Demand, Demand Function, Demand Curve, Law of Demand, Shift in Demand Curve. Elasticity of Demand - meaning, types and degrees of elasticity of demand. Supply function- individual supply of a product, market supply of a product, determinants of supply, Law of Supply, Factors affecting Supply, Elasticity of supply.

Unit-III:- Production and Cost Analysis: Production Function- Meaning, Short run and Long run Production Function, Law of variable proportions, Law of Returns to Scale. Cost Concept and Analysis- Introduction, Types of Costs, Cost Function, Cost-Output Relationships in the Short Run and Long Run.

Unit-IV:- Market Structure- Perfect and Imperfect Market Structure; Perfect Competition- Features, Determination of Price under Perfect Competition. Monopoly- Features, Determination of Price under Monopoly Competition. Monopolistic competition- Features, Determination of Price under Monopolistic Competition. Oligopoly- Features, Determination of Price under Oligopoly Competition; Kinked Demand Curve.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Apply concept of demand analysis in real life.
2. Study various effects in changes in demand and supply in consumption.
3. Visit local markets and classify firms into various markets.
4. Prepare a production schedule for a hypothetical product under particular condition of demand supply.

Suggested Readings-

1. Koutsoyiannis, A., Modern micro economics, New Delhi: Palgrave, McMillan.
2. Paul A Samuelson, William D Nordhaus, Microeconomics, McGraw-Hill Education.
3. Maddala G.S. and E. Miller, Microeconomics: Theory and Applications, McGraw-Hill Education.
4. H. Craig Petersen & W. Cris lewis, Managerial Economics, Prentice Hall.
5. N. Gregory mankiw, Principles of Micro Economics, Cengage Learning.
6. Mote V L Peul, S & Gupta G S, Managerial Economics, McGraw-Hill Education.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester III

Semester III

Course- STRATEGIC PLANNING IN RETAIL MANAGEMENT

Course Code- SLLL RLM 23 01 C 2103 **Credit-3**

Course Objective- *This course will explain the importance of strategic planning in successful retail organization and also explain the tasks that a retailer must perform.*

Learning Outcomes- After the completion of this course, the student would be able:

1. To introduce the concept of strategic planning and apply it in retail.
2. To get brief insight about development of retailing and the various strategies used in retail planning.
3. To target customers and analyze various information for achieving various goals.
4. To create strategy regarding store location and trading area.
5. To take decision regarding store design and layout of retail store.

Course Contents-

Unit-I:- Retail Planning and Development- Development of Retailing, Evolution of Modern Retailing, Theories of Retail Development. Concept of Retail Life Cycle. Strategic Retail Planning, Essentials of Retail Strategy, Steps in developing retail strategy; Factors to be considered for Strategic Retail Planning; Growth strategies for Retailers. Building and sustaining relationship in retailing.

Unit-II:- Targeting Customers and Gathering Information- Identifying and understanding consumers; Implications of customers demographics and lifestyles in retailing; Customer need and desires, Shopping attitudes and behaviour; Retailers actions. Environmental factors affecting customers; Information gathering and processing in retailing.

Unit-III:- Choosing Store Location- Importance of Location in Retail; Types of locations; Location based retail strategy, Selection of retail location; Regional analysis; Trading area analysis; Geographic Information system in trading area analysis; Site selection.

Unit-IV:- Store Design and Layout- Meaning, objective, and elements of store design; Store and its image; Areas covers in Store Design. Store Layout- Layout Planning Process, Types of Store Layout; Layout Selection. Space Management- Space Planning Process, Space Mix.

Visual Merchandising and display- Types and Methods of Display, Tools of Visual Merchandising. Case studies.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Analyze retail strategy at various retail stores.
2. Prepare questionnaire to analyze attitudes and behaviour of customers at various retail stores.
3. Target local area market and create strategy regarding store location and trading area.

Suggested Readings-

1. Madan K.V.S., Fundamental of Retailing New Delhi: Tata Mcgraw-Hill.
2. Swapna Pradhan, Retailing Management-Text and Cases. Tata Mc Graw Hill.
3. Dunne P.M, Lusch R.F. and David A., Retailing, South-Western. Thomson Learning Inc.
4. Cox, Roger, & Brittan, Paul, Retailing Management– An Introduction. New Delhi: Pearson Education.
5. Aditya Prakash, Tripathi, Noopur Agrawal, Fundamentals of Retailing, Himalaya Publication.
6. Larson, Carl M., Robert E. Wegand and John S. Wright, Basic Retailing, Prentice Hall.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester III

Course Title- ACCOUNTING FOR MANAGERS

Course Code- SLLL RLM 23 02 C 2103 **Credit-3**

Course Objective- *This course is intended to introduce the basic theory, concepts and practice of financial accounting. It includes the preparation of accounting statements with their uses and limitations.*

Learning Outcomes- After the completion of this course, the student would be able:

1. To understand and apply accounting concepts, principles and conventions for their routine monetary transaction.
2. To prepare final account and various financial reports.
3. To analyze, interpret and communicate the information contained in basic financial statements and explain the limitations of such statements.
4. To understand the basic concepts and importance of working capital management.

Course Contents-

Unit I:- Overview of Accounting- Meaning, Scope, and Users of Accounting, Accounting Concepts, Conventions; Book keeping and Accounting; Principles of Accounting, Basic Accounting terminologies, Accounting Equation. Overview to Deprecation (straight line and diminishing method).

Unit II:- Mechanics of Accounting- Double entry system of accounting. journalizing of transactions. Ledger posting and Trial Balance. Preparation of final accounts- Profit & Loss Account, Profit & Loss Appropriation account, and Balance Sheet.

Unit III:- Analysis of financial statement- Ratio Analysis- solvency ratios, profitability ratios, activity ratios, liquidity ratios, market capitalization ratios. Common Size Statement; Comparative Balance Sheet.

Unit IV:- Working Capital- Concepts, types, and Determinants of working capital; methods of calculating Working Capital, Working Capital Financing. Cash Flow Statement- Various cash and non-cash transactions, flow of cash, difference between cash flow and fund flow, preparation of Cash Flow Statement and its analysis. Software Based Managerial Decision

Making (using spreadsheets and Expert System for managers); Enterprise Resource Planning (ERP) and its applications.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Collect and examine the balance sheets of business organizations to study how these are prepared.
2. Examine the accounting policies and revenue recognition policies by collecting necessary data from small business firms.
3. Prepare Trading, Profit & Loss Account and Balance Sheet by collecting necessary data from small business firms.
4. Prepare financial statements manually and using appropriate software.

Suggested Readings-

1) Maheshwari S.N & Maheshwari S.K., A text book of Accounting for Management, Vikas Publications.
2) Khan and Jain, Financial Management, Tata McGraw Hill.
3) Tulsian P.C., Financial Accounting, Pearson.
4) Dhamija, Financial Accounting for managers, Prentice Hall.
5) Mukherjee, Financial Accounting for Management, TMH.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester III

Course Title- ENVIRONMENTAL STUDIES

Course Code- SLLL RLM 23 03 C 2103 **Credit-3**

Course Objective- *This paper is aimed at providing a comprehensive knowledge of mechanism of Ecological System.*

Learning Outcomes- At the end of the course, the students will be able to:

1. Differentiate environment & environmental education and discuss various dimensions of it in terms of human life and society.
2. Critically analyze various issues, concerns and threats to environment and interpret different initiatives taken by government to protect them.

Course Contents-

Unit-I:- The multidisciplinary nature of Environmental Studies: Definition, scope and importance, need for public awareness.

Renewable and non-renewable resources: Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, Case studies.

Unit-II:- Concept of an ecosystem. Structure and function of an ecosystem. Energy flow in the ecosystem. Food chains, food webs and ecological pyramids. Ecological succession. Case studies of the following ecosystems: a) Forest ecosystem, b) Grassland ecosystem, c) Desert ecosystem, d) Aquatic (ponds, streams, lakes, rivers, oceans, estuaries).

Definition: genetic, species and ecosystem diversity. Biogeographical classification of India. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. Biodiversity at global, national and local levels. India as a maga-diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit-III:- Definition, Causes, effects and control measures of: (a) Air pollution (b) Water pollution (c) Soil pollution (d) Marine pollution (e) Noise pollution (f) Nuclear hazards. Solid waste management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies.

From Unsustainable to Sustainable development. Climate change, global warming, acid rain, ozone layer depletion. Environment Protection Act. Air (Prevention and Control of Pollution) Act. Water (Prevention and Control of Pollution) Act. Wildlife Protection Act. Forest Conservation Act. Issues involved in enforcement of environmental legislation. Public awareness.

Unit-IV:- Human population growth, Impacts on environment, human health and welfare. Resettlement and rehabilitation of project affected persons; case studies. Environment Movements: Chipko, silent valley, Bishnois of Rajasthan. Environmental ethics: Issues and possible solutions. Role of Information Technology in Environment and human health. Case Studies.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Visit to a local area to document environmental assets:-river, forest grass land/hill/mountain.
2. Visit to a local polluted site: Urban/Rural/Industrial/Agricultural.
3. Study of common plants, insects and birds.
4. Study of simple ecosystems: pond, river, hillslopes etc.

Suggested Readings-

1. Rajagopalan, R. Environmental Studies. Oxford University Press, New Delhi.
2. Kaushik, Anubha, C.P. Kaushik. Perspective in Environmental Studies. New Age International (P) Ltd. Publishers.
3. Joseph, Benny. Environmental Studies. Tata McGraw Hill Publishing Company Ltd. New Delhi.
4. Ubaroi, N.K. Environment Management. Excel Books, New Delhi.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester III

Course Title- BUSINESS ETHICS & CORPORATE GOVERNANCE

Course Code - SLLL RLM 23 04 C 2103 **Credit-3**

Course Objective- *The basic objective of this course is to understand the ethical dilemmas in business situations and to find out ways to resolve them. This course is also to gain insight into corporate governance practices.*

Learning Outcomes- After the completion of this course, the student would be able:

1) To understand the basic concept of business ethics.
2) To learn the issues involved in maintaining ethics and how to deal with such situations.
3) To learn scope of business ethics in finance, human resources, marketing, and production.
4) To understand the importance of CSR in the day-to-day working of organizations.

Course Contents-

Unit-I:- Business Ethics- Definition, Characteristics and Significance; Values and Value Systems; Ethical Theories and Approaches, Causes of Unethical Behavior, Ethical Principles, Levels and Types of Ethical Dilemmas. Business Ethics in Indian Perspective.

Unit-II:- Managing Business Ethics- Ethical Decision-Making Processes and Guidelines; Building an Ethical Value System in the organization; Role of Laws and Enforcement; Training in Business Ethics; business and ecological/ environmental issues in the Indian context.

Unit-III:- Business Ethics & Society- Ethics in Marketing and Industrial Espionage; Ethics in Intellectual Property; Ethics in Production & Operations. Ethics in Accounting, Finance & Investments. Ethics in HRM; Ethics in Information Technology.

Unit-IV:- Overview of Corporate social responsibility (CSR) and Corporate Governance- Evolution, Need for CSR; theoretical perspectives, Corporate citizenship, business practices, strategies for CSR, challenges and implementation. Evolution of corporate governance; Governance practices and regulation, structure and development of boards; Governance ratings; Good corporate governance.

Skill Enhancement Practical Exercises-

The learners are required to:

1) Participate in discussion of decision-making situations by presenting scenarios.
2) Prepare a questionnaire to measure the importance of different types of values.
3) Measure the level of participation of a select company/organisation/group of individuals regarding social responsibility.
4) Assess ethical performance of a selected organisation.

References:

1. Hartman Laura P. & Chatterjee Abha, Perspectives in Business Ethics, McGraw Hill.
2. Velasquez, Manuel G., Business Ethics – Concepts and Cases, PHI Publications.
3. Crane Andrew & Matten Dirk, Business Ethics, Oxford University Press, New Delhi.
4. Weiss Joseph W., Business Ethics – Concepts and Cases, Cengage Learning.
5. K.V. Bhanumurthy and Usha Krishna. Politics, Ethics and Social Responsibility of Business. Pearson Education.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester IV

Semester IV

Course Title- ENTREPRENEURSHIP DEVELOPMENT

Course Code- SLLL RLM 24 01 C 2103 **Credit- 3**

Course Objective- *This course aims to acquire necessary knowledge and skills required for organizing and carrying out entrepreneurial activities, and to understand business situations in which entrepreneurs act.*

Learning Outcomes- After the completion of this course, the student would be able:

1. To provide basic understanding of entrepreneurship concept, types of entrepreneurs, and problems faced by them in the real world.
2. To impart understanding of basic entrepreneurial skills and knowledge, and acquaint them with special forms of entrepreneurial trends.
3. To familiarize students with operational problems faced by entrepreneurs.
4. To provide insights to students on entrepreneurial opportunities, government support services and government policies.

Course Contents-

Unit-I:- Entrepreneurship- Definition of Entrepreneur, Entrepreneurial motivation and barriers; Internal and external factors, Types of entrepreneurs, Theories of entrepreneurship, Classification of entrepreneurship. Creativity and Innovation- Creative Problems Solving; Creative Thinking, Lateral Thinking, Techniques of creative thinking by individuals and groups.

Unit-II:- Creativity and Entrepreneurial Plan- Idea Generation, Screening and Project Identification; Creative Performance. Feasibility Analysis- Economic, Marketing, Financial and Technical; Project Planning, Evaluation, Monitoring and Control; Segmentation, Targeting and Positioning of Product; Role of SIDBI in Project Management.

Unit-III:- Operation Problems- Incubation and Take-off, Problems encountered; Structural, Financial and Managerial Problems; Types of Uncertainty. Marketing Aspects of New Ventures- Developing a Marketing Plan: Customer Analysis, Geographical Analysis, Economical Analysis, Linguistic Analysis, Sales Analysis and Competition Analysis; Market Research; Sales Forecasting; Evaluation.

Unit-IV:- Institutional Support for New Ventures- Supporting organizations, Incentives and facilities; Financial Institutions and Small-scale Industries; Govt. Policies for SSIs Family and non-family entrepreneurs; Role of Professionals; Professionalism vs family entrepreneurs; Role of Woman entrepreneur; Sick industries- Reasons for Sickness, Remedies for Sickness.

Skill Enhancement Practical Exercises-

The learners are required to:

1) Discuss various cases of entrepreneurship and distinguish between different entrepreneurial traits.
2) Analyse and interpret case study on business philosophy at Tata Group, Aditya Birla Group, Reliance Industries Limited, and similar organisations.
3) Analyse and present the key initiatives of Government of India for promoting entrepreneurship in the country for any one business area.
4) Develop a business idea and conduct a feasibility analysis of the same.

Suggested Readings-

1. Kuratko and Rao. Entrepreneurship: A South Asian Perspective. Cengage Learning.
2. K. Ramachandran. Entrepreneurship Development. McGraw-Hill Education.
3. Robert, Hisrich, Michael Peters, Dean Shepherd. Entrepreneurship. McGraw-Hill Education.
4. Pareek, Udai and Venkateswara Rao, T. Developing Entrepreneurship-A Handbook on Learning Systems. Delhi; Learning Systems.
5. Desai, Vasant. Dynamics of Entrepreneurial Development and Management. Mumbai, Himalaya Publishing House.
6. Holt, David H. Entrepreneurship: New Venture Creation. Prentice-Hall of India, New Delhi.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester IV

Course Title- BUSINESS LAWS

Course Code- SLLL RLM 24 02 C 2103 **Credit- 3**

Course Objective- *The course aims to give the learners a broad understanding about important aspects of legal environment of business.*

Learning Outcomes- After the completion of the course, the learners will be able to:

1. Examine various aspects of entering into a contract and implications of different types of contract.
2. Interpret the regulation governing the Contract of Sale of Goods.
3. Discuss the laws governing partnership and legal consequences of their transactions and other actions in relation with the partnership, and examine contractual obligations and provisions governing limited liability partnership.
4. Describe the significant provisions of the Competition Act to prevent practices having adverse effect on competition and provisions of the Consumer Protection Act to protect the interest of the consumers.

Contents-

Unit-I:- Indian Contract Act, 1872; Nature of contract and its essentials, Void, valid and voidable contracts, Consent, consideration and its' impact on contract, Agreements in restraint of trade, Performance, breach, revocation and termination of contract.

Unit-II:- Sale of Goods Act, 1930; Nature of sale, conditions and warranties, Performance of contract of sale and right of unpaid seller.

Unit-III:- Indian Partnership Act, 1932; and Limited Liability Partnership Act, 2008; General nature of Partnership, Rights and duties of Partners, Reconstitution of Firm and Registration and dissolution.

Unit-IV:- Competition Act, 2002: Objectives and basic concepts, Consumer, goods, service, Prohibition of anti-competitive agreements, Prohibition of Abuse of Dominant Position; Consumer Protection Act, 2019: Important definitions, Consumer Disputes Redressal Commission, Measures to Prevent Unfair Trade Practices, Offences and Penalties.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Enlist steps involved in execution of contract.
2. Enlist steps involved in agreement to sale.
3. Enlist steps involved in discharge of contract.
4. Enlist measures to prevent unfair trade practices.

Suggested Readings:

1. Bose, D. C.. Business Law. New Delhi: PHI Limited.
2. Chopra, R. K. . Business Laws. New Delhi: Himalaya Publishing House.
3. Kuchhal, M. C., & Kuchhal, V. Business Laws. New Delhi: Vikas Publishing.
4. Singh, A. . Business Law. Delhi: Eastern Book Company.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester IV

Course Title- HUMAN RESOURCE MANAGEMENT

Course Code- SLLL RLM 24 03 C 2103 **Credit- 3**

Course Objective- *The course is designed to develop competencies and knowledge of students to become Human resource management professionals.*

Learning Outcomes: After completion of the course, students will be able to:

1. Apply the basic knowledge of human resource management in the real-life situation.
2. Enhance their ability and professional skills.
3. Develop necessary skills to prepare an HR policy to enable the employees to attain work life balance.
4. Have an understanding and use of different kinds of training and development strategies in real life scenarios.
5. Understand various dimensions of performance appraisal and job evaluation.

Course Contents-

Unit-I:- Introduction to Human resource management (HRM)- Concept, Nature, objectives and functions; Difference between HRM and Personnel Management; Role, status and competencies of HR manager; HR policies; Evolution and Emerging challenges of HRM- Workforce diversity, empowerment, downsizing, VRS, work life balance; Case studies.

Unit-II:- Acquisition of Human Resource- Human Resource Planning: Objectives of HR Planning, HR Planning at different Planning Levels, Process of HR Planning. Job analysis- Job description and Job specification. Recruitment- concept, objectives and sources; Problems and factors governing recruitment. Selection- concept and process, methods of selection, Essentials of Selection Procedure; Placement, induction and socialization; Retention; Case studies.

Unit-III:- Training and Development- Concept, purpose, importance, and process of training and development; Role specific and competency-based training; On the Job Training, Off the Job Training; Training process outsourcing. Job changes- Transfers and promotions, Job Rotation. Career Planning & Career Development- Need for Career Planning; Career Development, Suggestions for Effective Career Development; Case studies.

Unit-IV:- Performance Appraisal- Nature, objectives, process and use of Performance Appraisal; Methods of performance appraisal; Employee counseling. Compensation Management- Concept and policies; Base and supplementary compensation; Individual, group and organization incentive plans; Fringe benefits. Job Evaluation- Process, Techniques and Advantages of Job evaluation; Case studies.

Skill Enhancement Practical Exercises-

The learners are required to:

1) Participate in simulation activity on Work Life Balance in class and prepare a report of their analysis.
2) Conduct job analysis for any two positions in a select organisation and present the report of the same.
3) Design an induction programme and perform role play for select organisations.
4) Understand applicability of different kinds of training and development strategies used by various companies in real life scenarios.
5) Draft incentive schemes for different job roles in select organization.

Suggested Readings-

1. Dessler, G., & Varkkey, B., Human Resource Management. New Delhi: Pearson Education.
2. Mondy, A. W., & Noe, R. M., Human Resource Management. London: Pearson.
3. Satrapi, K., Human Resource Management. New Delhi: Tata McGraw-Hill.
4. Decenzo, D. A., & Robbins, S. P., Fundamentals of Human Resource Management. New Jersey: Wiley.
5. French, W. L., Human Resource Management. Boston: Houghton Mifflin.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester IV

Course Title- E-COMMERCE

Course Code- SLLL RLM 24 04 C 2103 **Credit- 3**

Course Objective- *This course helps in enabling students to know the mechanism for conducting business through electronic means.*

Learning Outcomes- After the completion of this course, the student will be able to:

1) Understand the basic concepts and terminologies used in the field of E-Commerce.
2) Understand the concept of E-Business Model.
3) Understand the concepts of E-Marketing and analyse the impact of E-Commerce on markets.
4) Understand E-commerce legal framework.
5) Be aware of the security issues of electronic payment systems.

Course Contents-

Unit-I:- Fundamentals of E-Commerce- Definition, Features, Need and factors affecting E-Commerce; Interdisciplinary Nature and Benefits, Opportunities, Cautions and Concerns of E-Commerce; E-Business Models- Business to Consumer (B2C), Business to Business (B2B), Consumer to Consumer (C2C), Consumer to Business (C2B).

Unit-II:- E-Marketing- Impact of E-commerce on markets; Marketing issues in E-Marketing; Online Marketing, E-advertising, E-Branding. E-Commerce in Retail Industry; Changing Retail Industry Dynamics, Buying Process in Online Retailing Environment, Some Myths of Online Retailing, Management Challenges in Online Retailing.

Unit-III:- Legal Framework for E-Commerce- Concept of Legal Framework for E-Commerce; Rights and Obligations in the world of E-Commerce; Copyrights, Defamation, Privacy, Contracts, Taxation, Signing a contract Electronically; Domain name and Registration.

Unit-IV:- Electronic Payment Systems- Types, Dimensions, and Security requirements in E-Payment System; Traditional vs E-Payment System; E-Payment Systems and Consumer Empowerment; Desirable Properties of Digital Currency, Managerial Issues in E-Payment Systems, Future of E-Payment Systems.

Skill Enhancement Practical Exercises-

The learners are required to:

1) Help aged people and others to learn the use of e-wallet, e-payment, digital signatures. Prepare a report on the skills used by them to help others learn.
2) Use the internet banking facility to buy a product from any online retail store.
3) Open internet banking account and operate it.
4) Create their own YouTube channel and post one video on benefits of digital payment system in current scenario.

Suggested Readings-

1. Bharat Bhaskar. Electronic Commerce: Framework, Technology and Application. McGraw Hill Education.
2. PT Joseph. E-Commerce: An Indian Perspective. PHI Learning.
3. Kosiur. Understanding E-Commerce. Prentice Hall of India, New Delhi.
4. Kalakota, Whinston. Frontiers of Electronic Commerce. Addison Wesley.
5. KK Bajaj and Debjani Nag. E-commerce. McGraw Hill Education.
6. Murty, C.V.S. E-Commerce. Himalaya Publications, New Delhi.
7. Kienam. Managing Your E-Commerce business. Prentice Hall of India, New Delhi.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester V

Semester V

Course Title- ADVERTISEMENT AND SALES PROMOTION

Course Code- SLLL RLM 35 01 C 2103 **Credit- 3**

Course Objective- *The course aims to teach the basics of advertising and sales promotion as promotional tools in marketing and to develop a customer-oriented attitude for designing advertising and promotional messages.*

Learning Outcomes- After the completion of this course, the student will be able to:

1) Identify communication objectives behind advertising and promotions.
2) Explain various advertising and media elements in the advertising decisions.
3) Identify the ethical and legal issues of advertising.
4) Comprehend the importance and role of sales promotion.
5) Explain national and international promotion strategies.

Course Contents-

Unit-I:- Advertisement: Meaning, Advertisement Objectives, functions, Need and Importance of Advertisement, classification of advertisement, Social, Economic and Legal aspects of Advertisements; role of Advertising in Promotion Mix, Process of Advertising; AIDA approach; Advertisement Agencies.

Unit-II:- Media Planning & Scheduling: Media Plan, Type and Choice Criteria, Reach and Frequency of Advertisements, Media Strategy and Scheduling; Advertising Budget; Testing Validity and Reliability of Ads, Measuring Impact of Advertisements.

Unit-III:- Design and Execution of Advertisements: Message Development, Layout, Design Appeal, Copy Structure, Advertisement Production, Different Types of Advertisements- Print, Radio. T.V. and Web Advertisements.

Unit-IV:- Sales Promotion: Definition, Importance, Scope and Role of Sale Promotion, Sales Promotion Techniques, Identification & Involvement of Salesmen and Dealers, National and International Promotion Strategies, Online Sales Promotions.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Perform a content analysis of various advertising campaigns to:
    a. Identify objective of an advertisement forming part of an advertising campaign.
    b. Find out the target audience of a campaign.
    c. Prepare a report on various media options used in a campaign.
    d. Prepare a report on message strategy and copy elements used in the campaign.
2. Identify various CRM tools used by the sales people in the context of a given selling situation.

Suggested Readings-

1. Shah, K., & D'Souza, A., Advertising and Promotions: An IMC Perspective. New Delhi: Tata McGraw Hill Publishing Company Limited..
2. S.H.H.Kazmi, Satish K Batra. Advertising & Sales Promotion. Excel Books, New Delhi.
3. Kenneth Clow. Donald Baack, Integrated Advertisements, Promotion and Marketing Communication. Prentice Hall of India, New Delhi.
4. Hackley, C. Advertising and Promotion- An Integrated Marketing Communications Approach. Sage.
5. Belch, G. E., Belch, M., & Purani, K. Advertising and Promotion: An Integrated Marketing Communications Perspective (SIE). New Delhi: McGraw Hill.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester V

Course Title- NEW VENTURE PLANNING AND MANAGEMENT

Course Code- SLLL RLM 35 02 C 2103 Credit- 3

Course Objective- *The course aims to give knowledge to learners regarding different aspects of setting up a new business.*

Learning Outcomes- After completion of the course, students will be able to:

1. Generate a business idea using different techniques and describe sources of innovative ideas.
2. Evaluate advantages of acquiring an ongoing venture with a case study.
3. Present a comparative analysis of various government schemes which are suitable for the business idea.
4. Develop a marketing plan for a business idea.
5. Prepare and present a well-conceived business plan.

Course Contents-

Unit-I:- Starting New Ventures- Meaning, and features of New Venture, Opportunity identification, The search for new ideas, Source of innovative ideas, Techniques for generating ideas. The pathways to New Ventures for Entrepreneurs, Creating New Ventures, Acquiring an established Venture- Advantages of acquiring an ongoing Venture, Evaluation of key issues. Franchising- How a Franchise works, Franchise law, Evaluating the franchising opportunities.

Unit-II:- Legal Challenges in Setting up Business- Intellectual Property Protection: Patents, Trademarks, and Copyrights; Requirements and Procedure for filing a Patent, Trademark, and Copyright; Legal acts governing businesses in India; Identifying Form of Organisation and their procedures and compliances.

Unit-III:- Search for Entrepreneurial Capital- Meaning, Venture Capital Market; Criteria for evaluating New Venture Proposals. Financing stages; Alternate Sources of Financing for Indian Entrepreneurs; Bank Funding; Government Policy Packages; State Financial Corporations (SFCs); Business Incubators and Facilitators; Informal risk capital; Angel Investors.

Unit-IV:- Business Plan Preparation for New Ventures- Concept of Business Plan, Pitfalls to Avoid in Business Plan, Benefits of a Business Plan, Developing a Well-Conceived Business Plan; Elements of a Business Plan- Executive Summary. Government schemes for new ventures like: Startup India, Stand Up India, Make in India, etc.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Generate a business idea using different techniques and describe sources of innovative ideas.
2. Evaluate advantages of acquiring an ongoing venture with a case study.
3. Present an idea which can have IPR like patents along with comparative analysis of patents already granted in similar field.
4. Present a comparative analysis of various government schemes which are suitable for the business idea.
5. Prepare and present a well-conceived business plan.

Suggested Readings-

1. Allen, K. R., Launching New Ventures: An Entrepreneurial Approach. Boston: Cengage Learning.
2. Barringer, B.R., & Ireland, R.D., Entrepreneurship: Successfully Launching New Ventures. London: Pearson.
3. Kuratko, D.F., & Rao, T.V., Entrepreneurship: A South-Asian Perspective. Boston: Cengage Learning.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester V

Course Title- INTRODUCTORY STATISTICS FOR BUSINESS

Course Code- SLLL RLM 35 03 C 2103 **Credit- 3**

Course Objective- *This course aims at aiding the students in reaching a level of increased competence in business statistics and expands understanding of the applications of statistical concepts in business.*

Learning Outcomes- After the completion of this course, the student will be able:

1. To develop basic skills for quantitative application in business situations.
2. To develop ability to deal with numerical and quantitative issues in business.
3. To impart knowledge about statistical tools and its applications to build skills for statistical inference of business data.
4. To interpret the relevance of statistical findings for business problem solving and decision making.

Course Contents-

Unit-I:- Introduction to Statistics- Origin of Statistics, Meaning of Statistics, Types of Statistics, Characteristics of Statistics, Statistics a Science or An Art, Applications of Statistics, Role of Statistics, Importance of Statistics, Limitations of Statistics.

Unit-II:- Measures of Central Tendency- Meaning and definition, Properties of good measures of central tendency; Types of average- Arithmetic Mean, Median, Mode, Quartile, Decile, Percentile. Measures of Dispersion- Meaning and definition; Methods of measuring dispersion- Range, Interquartile Range, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Coefficient of Variance.

Unit-III:- Simple and Linear Correlation analysis: Meaning, Measurement (Karl Pearson's coefficient and Spearman's Rank correlation) and Properties. Simple and Linear Regression Analysis- Regression equations and estimation; properties of Regression coefficients; Relationship between correlation and regression.

Unit-IV:- Time Series- Components; additive and multiplicative models; Trend analysis moving averages and method of least squares (linear trend). Application of MS EXCEL-

creating a workbook, saving a workbook, editing a workbook, creating a series, use of basic formulae in Excel, use of functions in Excel, sorting data, creating simple charts.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Use commonly used statistical packages to apply various statistical tools to a data set available through secondary sources.
2. Make use of computer aided software packages and prepare the practical graphical presentation, frequency charts etc.
3. Prepare a Spreadsheet document with any hypothesized data and perform all the above functions therein.

Suggested Readings-

1. Levin, Richard, David S. Rubin, Sanjay Rastogi, and HM Siddiqui. Statistics for Management. Pearson Education.
2. David M. Levine, Mark L. Berenson, Timothy C. Krehbiel, P. K. Viswanathan. Business Statistics: A First Course. Pearson Education.
3. Siegel Andrew F. Practical Business Statistics. McGraw Hill Education.
4. Vohra, N. D. Business Statistics. Tata McGraw Hill Publishing Company, New Delhi.
5. Frye, C. Microsoft Excel 2016 Step by Step: MS Excel 2016 Step by Step, Microsoft Press.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester V

Course Title- SOFT SKILLS & PERSONALITY DEVELOPMENT

Course Code- SLLL RLM 35 04 C 2103 **Credit- 3**

Course Objective- *The present course attempts to examine the inherent connection between personality and success because soft skills are essentially people skills.*

Learning Outcomes- After completion of the course, students will be able to:

1. Know various forms of personality types, interaction skills.
2. Comprehend group discussion techniques with debate and extempore.
3. Make business presentation.
4. Understand various decision-making skills for successful business.
5. Design resume building for job interview.

Course Contents-

Unit-I:- Personality Development- Meaning and determinants of personality development; Personality types- five factor model; Basic Interaction Skills- Within family, Society Personal and interpersonal, intrapersonal skills, Impromptu Talks. Soft Skills- Concepts and importance of Soft Skills; Determinants of soft skills; Difference between hard and soft skill.

Unit-II:- Business Etiquettes- Meaning, Body language gestures, Etiquette of the written word; Etiquette of the telephone; Handling business meetings, Role play on selected topics with case analysis and real life experiences. Introduction to group discussion techniques with debate and extempore. Audio Video recording and dialogue sessions on current topics related to economy, education system, environment, and politics.

Unit-III:- Making a Business Presentation- Oral Presentation, Importance, Characteristics, Visual aids, Presentation Plan; Power point presentation- making a presentation, various presentation tools along with guidelines of effective presentation, boredom factors in presentation and how to overcome them, interactive presentation & presentation as part of a job interview, art of effective listening. Leadership- quality of a leader, leadership quiz with case study, knowing your skills and abilities.

Unit-IV:- Other Aspects of Personality Development- Problem-solving, Decision-making skills, Character building, Team-work, Time management, Work ethics, Good manners and etiquette, Resume building, Facing the Personal (HR & Technical) Interview, Checklist for preparing for an interview, Mock Interview Sessions.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Participate in group discussion on contemporary topics of society.
2. Role play on selected topics with case analysis and real life experiences.
3. Prepare checklist for preparing for an interview.
4. Leadership quiz with case study.
5. Identify leadership qualities of a leader of selected organizations.

Suggested Readings-

1. Khera, Shiv. You Can Win: A Step by Step Tool For Top Achievers. Macmillan India Limited, New Delhi.
2. Courtland L. Bovee, John V. Thil, Business Communication Today, Pearson.
3. E. H. McGraw, S. J., Basic Managerial Skills for All. Prentice Hall of India Pvt. Ltd., New Delhi.
4. Lesikar, R.V. & Flatley, M.E., Basic Business Communication Skills for Empowering the Internet Generation, Tata McGraw Hill Publishing Company Ltd. New Delhi.
5. Locker and Kaczmarek, Business Communication: Building Critical Skills, Tata McGraw Hill Publishing Company Ltd.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester VI

Semester VI

Course Title- DIGITAL MARKETING

Course Code- SLLL RLM 36 01 C 2103 **Credit- 3**

Course Objective- *This course aims to provide knowledge about the concepts, tools, techniques, and relevance of digital marketing in the present changing scenario.*

Learning Outcomes- After the completion of this course, the student will be able:

1. To understand the concept of Digital marketing & E-commerce in today's scenario.
2. To understand the importance of SEO and Email Marketing in today's modern world.
3. To understand the functioning and importance of Social Media Marketing via various platforms.
4. To understand various analytics tools of online marketing.

Course Contents-

Unit-I:- Introduction to Digital Marketing & Website and Blog Development- Digital Marketing and its Significance, and Process; Traditional Vs Digital Marketing; The contemporary digital revolution, digital transformation framework. Types of websites, Keywords, Understanding Domain and Webhosting, Building Website/Blog using CMS WordPress, Using WordPress Plug-ins. Blog Creation- Including Headlines, Links, Posts.

Unit-II:- SEO & Email-Marketing- Introduction to SEO; SEO Keyword Planner Tools; On Page SEO Techniques- Indexing and Key Word Placement, Content Planning & Optimization, Display Advertising, Various SEO Plug-in, Off-Page SEO Techniques; Email Marketing- Introduction and Significance, campaigns using Mail Chimp; Email Marketing Strategy and Monitoring.

Unit-III:- SEM & Social Media Marketing- Introduction to SEM, Mobile Marketing, Video Marketing on YouTube. Introduction to Social Media Marketing- Facebook, Instagram, Linked-in, Twitter, Google G Suit and online marketing campaigns on theses Social Media platforms. Content Marketing, Content creation process, Influencer marketing.

Unit-IV:- Using Marketing Strategies & Analytics Tools- Understanding Digital marketing Strategies, Using Marketing analytics tools to segment, target, position; Online PR and reputation management, Digital Marketing Strategies and its ROI.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Prepare a report on the difference between the popularity of any brand using both digital advertising as well as traditional advertising tools; versus any one brand still focusing most of funds on traditional advertising tools.
2. Create a hypothetical advertising tools using Google Ads.
3. Prepare a report on all the possible sources of digital marketing like, Facebook, Instagram, etc.

Suggested Readings:

1. Chaffey, D., Chadwick, F. E., Johnston, K., & Mayer, R., Internet Marketing: Strategy, Implementation, and Practice. New Jersey: Pearson Hall.
2. Frost, R. D., Fox, A., & Strauss, J., E- Marketing. Abingdon: Routledge.
3. Gupta, S., Digital Marketing. Delhi: Tata McGraw Hill Education.
4. Charlesworth, A., Digital Marketing: A Practical Approach. Abingdon: Routledge.
5. Tasner, M., Marketing in the Moment: The Digital Marketing Guide to generating more sales and reaching your customer first. London: Pearson.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Semester VI

Course Title- WAREHOUSE MANAGEMENT

Course Code- SLLL RLM 36 02 C 2103 **Credit- 3**

Course Objective- *The course aims to give knowledge to learners regarding different aspects of warehouse management systems.*

Learning Outcomes- After completion of the course, students will be able to:

1. Get knowledge of warehousing.
2. Learn overview of warehouse management systems.
3. Learn basic understanding of warehousing operations.
4. Learn an understanding of material handling equipments
5. Achieve proficiency in analyzing performance measures of Material Handling Systems.

Course Contents-

Unit-I:- Introduction to Warehousing- Concept, Need for warehousing, Evolution of warehousing from store to warehouse; warehouse operations, Issues affecting warehousing, Various warehousing facilities, Different types of warehouses, Characteristics of ideal warehouses, process of receiving and put away, principle of storing goods & various storing methods, process of order picking and order creation, significance of packaging, documents required for issuing goods; Case Studies.

Unit-II:- Strategic Warehousing- Meaning & benefits of Strategic Warehousing. Warehouse Design- Elements & Principle of Warehouse Design, factors of warehouse design. Warehouse Location- its benefits & Significance of Warehouse in supply chain management. Warehouse Management Systems- Introduction, and importance, Case Studies.

Unit-III:- Warehousing Operations- inbound process, outbound process; Functions of Warehouse- break-bulk, cross docking, order mixing. Material Handling equipments (MHEs) in warehouse, legal requirements for ensuring a safe workplace; Case Studies.

Unit-IV:- The Principles and Performance Measures of Material Handling Systems- Introduction, Vehicle travel path (time), Handling time, vehicle utilization, congestion, Effective performance systems, Fundamentals of various types of material handling systems,

automated storage and retrieval systems, Bar coding technology and applications RFID technology.

Skill Enhancement Practical Exercises-

The learners are required to:

1. Prepare the list of documents required for issuing goods.
2. Visit a logistics company to understand about the process of order picking and order creation.
3. Identify best warehouse location required for effective supply chain management.
4. Prepare the list of legal requirements for ensuring a safe workplace.
5. Identify different types of RFID and their uses in different organizations.

Suggested Readings-

1. Gopalakrishna, P. and Shandilya M.S., Stores Management and Logistics. S. Chand & Co.
2. Martin Christopher, Logistics – The Strategic Issues, Chapman & Hall.
3. Martin Christapher, Logistics and Supply Chain Management. Pearson education.
4. Raghuram G., Logistics and Supply Chain Management. MacMillan.

Note: Latest and additional good books may be suggested and added from time to time.

The list of cases, references and relevant articles will be provided by the faculty in the class.

Course Title - PROJECT REPORT

Course Code- SLLL RLM 36 03 C 0336 **Credit- 6**

Course Objective

1. To prepare a project report on any market/ business related topic.
2. To understand importance and relevance of topic, its feasibilities and detail descriptions.

In sixth semester, the students are required to take one topic related to the market/ business as per his/her interest for study and prepare a project report. The report will be prepared individually. The report will be evaluated by one external examiner appointed by university.

Learning Outcomes- After the completion of the course, the learners will be able to:

1. Gain in depth knowledge on market/ business related topic in form of a project report.
2. Apply innovative idea, its feasibilities and detail descriptions.

SKILL EDUCATION COMPONENT

Semester I

Skill Qualification pack

Sector Skill Council: Retailers Association's Skill Council of India

Job Role: Retail Sales Associate

NSQF Level: 4

Qualification pack Code: RAS/Q0104

National Occupation Standards

1. RAS / N0114: To process credit applications for purchases
2. RAS / N0120: To help keep the store secure
3. RAS / N0122: To help maintain healthy and safety
4. RAS / N0125: To demonstrate products to customers
5. RAS / N0126: To help customers choose right products
6. RAS / N0127: To provide specialist support to customers facilitating purchases
7. RAS / N0128: To maximise sales of goods & services
8. RAS / N0129: To provide personalised sales & post-sales service support
9. RAS / N0130: To create a positive image of self & organisation in the customer's mind
10. RAS / N0132: To resolve customer concerns
11. RAS / N0133: To organise the delivery of reliable service
12. RAS / N0134: To improve customer relationship
13. RAS / N0135: To monitor and solve service concerns
14. RAS / N0136: To promote continuous improvement in service
15. RAS / N0137: To work effectively in your team
16. RAS / N0138: To work effectively in your organisation

Semester II

Skill Qualification pack

Sector Skill Council: Retailers Association's Skill Council of India

Job Role: Retail Team Leader

NSQF Level: 5

Qualification pack Code: RAS/Q0105

National Occupation Standards

1. RAS / N0146: To organize the display of products at the store
2. RAS / N0147: To process the sale of products
3. RAS / N0139: To plan visual merchandising
4. RAS / N0140: To establish and satisfy customer needs
5. RAS / N0148: To maintain the availability of goods for sale to customers
6. RAS / N0131: To allocate and check work in your team
7. RAS / N0145: To communicate effectively with stakeholders
8. RAS / N0122: To help maintain healthy and safety
9. RAS / N0150: To monitor and solve customer service problems
10. RAS / N0137: To work effectively in your team
11. RAS / N0138: To work effectively in your organisation

Semester III & IV

Skill Qualification pack

Sector Skill Council: Retailers Association's Skill Council of India

Job Role: Retail Departmental Manager

NSQF Level: 6

Qualification pack Code: RAS/Q0106

National Occupation Standards

1. RAS / N0139: To plan visual merchandising
2. RAS / N0140: To establish and satisfy customer needs
3. RAS / N0141: To monitor and manage store performance
4. RAS / N0142: To provide leadership for your team
5. RAS / N0143: To build and manage store team
6. RAS / N0131: To allocate and check work in your team
7. RAS / N0144: To develop individual retail service opportunities
8. RAS / N0145: To communicate effectively with stakeholders
9. RAS / N0122: To help maintain healthy and safety
10. RAS / N0137: To work effectively in your team
11. RAS / N0138: To work effectively in your organisation

Semester V & VI

Skill Qualification pack

Sector Skill Council: Retailers Association's Skill Council of India

Job Role: Retail Store Manager

NSQF Level: 7

Qualification pack Code: RAS/Q0107

National Occupation Standards

1. RAS / N0152 Stock optimization to maximize availability of stocks and minimize losses
2. RAS / N0153 Process and policy adherence while ensuring timely and accurate reporting
3. RAS / N0154 Manage sales and service delivery to increase store profitability
4. RAS / N0155 Execution visual merchandising displays as per standards and guidelines
5. RAS / N0156 Ensure overall safety, security and hygiene of the store
6. RAS / N0157 Implement promotions and special events at the store
7. RAS / N0158 Lead and manage the team for developing store capability
8. RAS / N0159 Conduct price benchmarking and market study of competition

Learning Outcomes-Based Curriculum Framework (LOCF)

Scheme and Syllabus of

B. Voc. (Biomedical Sciences)

(Three-Year Bachelor's Degree Programme)

w.e.f. 2022-23

Department of Vocational Studies and Skill Development

School of Life-long Learning

Central University of Haryana
Mahendergarh, Haryana

BACKGROUND

Considering the curricular reforms as instrumental for desired learning outcomes, all the academic departments of Central University of Haryana made a rigorous attempt to revise the curriculum of undergraduate and postgraduate programmes in alignment with National Education Policy-2020 and UGC Quality Mandate for Higher Education Institutions-2021. The process of revising the curriculum could be prompted with the adoption of "Comprehensive Roadmap for Implementation of NEP-2020" in the 32nd meeting of the Academic Council of the University held on April 23, 2021. The roadmap identified the key features of the Policy and elucidated the Action Plan with well-defined responsibilities and indicative timeline for major academic reforms.

The process of revamping the curriculum started with the series of webinars and discussions conducted by the University to orient the teachers about the key features of the Policy, enabling them to revise the curriculum in sync with the Policy. Proper orientation of the faculty about the vision and provisions of NEP-2020 made it easier for them to appreciate and incorporate the vital aspects of the Policy in the revised curriculum focused on 'creating holistic, thoughtful, creative and well-rounded individuals equipped with the key 21st century skills' for the 'development of an enlightened, socially conscious, knowledgeable, and skilled nation'.

With NEP-2020 in background, the revised curricula articulate the spirit of the policy by emphasizing upon— integrated approach to learning; innovative pedagogies and assessment strategies; multidisciplinary and cross-disciplinary education; creative and critical thinking; ethical and Constitutional

values through value-based courses; 21st century capabilities across the range of disciplines through life skills, entrepreneurial and professional skills; community and constructive public engagement; social, moral and environmental awareness; Organic Living and Global Citizenship Education (GCED); holistic, inquiry-based, discovery-based, discussion-based, and analysis-based learning; exposure to Indian knowledge system, cultural traditions and classical literature through relevant courses offering 'Knowledge of India'; fine blend of modern pedagogies with indigenous and traditional ways of learning; flexibility in course choices; student-centric participatory learning; imaginative and flexible curricular structures to enable creative combination of disciplines for study; offering multiple entry and exit points initially in undergraduate programmes; alignment of Vocational courses with the International Standard Classification of Occupations; breaking the silos of disciplines; integration of extra-curricular and curricular aspects; exploring internships with industry and businesses; closer collaborations between industry and higher education institutions for technical, vocational and science programmes; and formative assessment tools to be aligned with the learning outcomes, capabilities, and dispositions as specified for each course.

In case of UG programmes in Engineering and Vocational Studies, it was decided that the departments shall incorporate pertinent NEP recommendations while complying with AICTE, NBA, NSQF, International Standard Classification of Occupations, Sector Skill Council, Industry and other relevant agencies/sources. The University has also developed consensus on adoption of Blended Learning with 40% component of online teaching and 60% face to face classes for each programme.

The revised curricula of B.Voc. Biomedical Sciences program has been devised with concerted efforts of the faculty, Heads of the Departments, Industry experts and members of Life Sciences Sector Skill Development

Council (LSSSDC). Curriculum is aligned with National Skill Qualification Framework (NSQF) and has adopted job roles corresponding to NSQF level-4 to NSQF level-7 from the LSSSDC. These job roles are *Machine Operator* (NSQF Level-4), *Quality Control Chemist* (NSQF Level-5), *Licensing Manager* (NSQF Level-6) & *EHS Manager* (NSQF Level-7).

The draft prepared by each department was discussed in series of discussion sessions conducted at Department, School and the University level. The leadership of the University has been a driving force behind the entire exercise of developing the uniform template and structure for the revised curriculum. The Vice Chancellor of the University conducted series of meetings with Heads and Deans to deliberate upon the vital parameters of the revised curriculum to formulate a uniform template. The experts of various Boards of Studies and School Boards contributed to a large extent in giving the final shape to the revised curriculum of each programme.

To ensure the implementation of curricular reforms envisioned in NEP-2020, the University has decided to implement various provisions in a phased manner. Accordingly, the curriculum may be reviewed annually.

PROGRAMME OUTCOMES

After successful completion of the programme, the students shall be able to:

PO1. Scientific knowledge: Apply the knowledge of science and industrial technology to the solution of scientific problems in the industry.

PO2. Problem analysis: Identify, formulate, research literature, and analyze complex scientific problems reaching substantiated conclusions using first principles of biological sciences, and chemical sciences.

PO3. Design/development of solutions: Design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tools usage: Create, select, and apply appropriate techniques, resources, and modern computing and IT tools including prediction and modeling to complex scientific activities with an understanding of the limitations.

PO6. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the scientific practice.

PO7. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO8. Communication: Communicate effectively on complex activities with the scientific community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO9. Project management: Demonstrate knowledge understanding of the scientific and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO10. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

PROGRAMME SPECIFIC OUTCOMES

On completing B.Voc. Biomedical Sciences, the students shall be able to:

PSO-1. Perform manufacturing activities and carry out post manufacturing outcomes.

PSO-2. Conduct quantitative and qualitative analysis to ensure specified quality of the manufactured products.

PSO-3. Manages the work of licensing team in order to ensure that the appropriate licenses are in place for carrying out the life sciences facility operations.

PSO-4. Perform routine analysis in the laboratory while ensuring compliance to god manufacturing processes (GMP) and good laboratory practices (GLP).

PSO-5. Carry out reporting and documentation to meet quality standards.

PSO-6. Coordinate with supervisors and colleagues within and outside the department.

PSO-7. Maintain a healthy, safe and secure working environment in the life science facility.

PSO-8. Use individual judgment to determine if results or processes comply with regulations and approved standards

PSO-9. Make team decisions rather than individual decisions

PSO-10. Listen effectively and orally communicate information accurately

TEACHING LEARNING OUTCOME METHODOLOGIES

Learning based curriculum designed for various courses under B. Voc. (Biomedical Sciences) Programme aim for dissemination of up-to-date knowledge, development of student's capability to use ideas and information, and their ability to test those ideas and evidence. The courses also aim for facilitating the personal development and capacity of students to plan and manage their own learning. Instead of using traditional teaching methods, new teaching methods and pedagogical tools are required to ensure the achievement of desired learning outcomes for each of the courses. In view of the programme outcomes, following teaching methodologies will be used:

- Class room lectures
- Use of up-to-date textbooks, other learning resources
- Use of internet to support and explore the knowledge
- Use of case studies
- Practical exercises for each course to augment the learning
- Work experience through internship and fieldwork
- Projects
- Demonstrations
- Group working
- Simulations (e.g., computer based)
- Problem solving
- Discussion and debate
- Role play
- Quizzes
- Seminar presentations
- Class presentations
- Tutorials
- Examination papers

ASSESSMENT OUTCOME MEASUREMENT METHODS

Methods of measuring student learning are often characterized as summative or formative assessments:

Summative assessments: It includes case study analysis, assessment and evaluation of internship reports, project report evaluation, tests, quizzes, and other graded course activities that are used to measure the performance of learner. These assessments are cumulative and often reveal what students have learned at the end of a unit or the end of a course. Within a course, summative assessment includes the system for calculating individual student grades.

Formative assessment: It includes any means by which students receive input and guiding feedback on their relative performance to help them improve. It can be provided face-to-face in office hours, in written comments on assignments.

An array of direct and indirect methods should be used based upon the above-mentioned methodologies and assessment tools to assess the level of learning outcome(s) under each course with more weightage on 'Formative Assessment' to ensure that the learner improves during the teaching learning process. Direct measures require a learner to present or demonstrate their learning or produce work so that observers can assess how well students' work or responses fit institution-or program-level expectations of outcomes. It includes examinations, field experience, internship, lab reports, case studies, etc. as mentioned under Teaching Learning Outcome Methodologies and Summative Assessment. Through the indirect measures, the observer would be able to infer student abilities, knowledge, and values based on an analysis of reported perceptions about student mastery of outcomes using the indirect measures.

BLENDED LEARNING

B.Voc. Biomedical Sciences is focused to provide quality skill education. Success of skill education requires direct interaction of students with the industrial experts and hands-on-industrial training. Learning at B.Voc. Biomedical Sciences program in CUH involves regular expert lectures of the industrial experts. With the online classes being the option in NEP-2020, department will be conducting online expert classes from the industry for the skill enhancement of the students.

SCHEME AND SYLLABUS

Bachelor of Vocation (B.Voc.) in

Biomedical Sciences

DEPARTMENT of VOCATIONAL Studies and Skill Development

School of Life-long Learning

Central University of Haryana

Mahendergarh, Haryana

CENTRAL UNIVERSITY OF HARYANA

School of Life-long Learning

Department of Vocational Studies and Skill Development

B. Voc. (BIOMEDICAL SCIENCES)
(Three-Year Degree Programme)
(Semester-wise Course Structure)
(w.e.f. 2022-23)

B. Voc. (BIOMEDICAL SCIENCES)

SEMESTER – I

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL BMS 11 01 C 4004	Human Physiology	4	4	0	4	100
CC	SLLL BMS 11 02 C 4004	Physical and Inorganic chemistry	4	4	0	4	100
CC	SLLL BMS 11 03 C 2002	English Communication	2	2	0	2	50
CC	SLLL BMS 11 04 C 0042	Practical	0	0	4	2	50
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

SEMESTER – II

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL BMS 12 01 C 4004	Biomolecules and Enzymology	4	4	0	4	100
CC	SLLL BMS 12 02 C 4004	Environmental Science	4	4	0	4	100
CC	SLLL BMS 12 03 C 2002	Analytical Chemistry	2	2	0	2	50
CC	SLLL BMS 12 04 C 0042	Practical	0	0	4	2	50
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

B. Voc. (BIOMEDICAL SCIENCES)

SEMESTER – III

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL BMS 23 01 C 4004	Metabolism of Biomolecules	4	4	0	4	100
CC	SLLL BMS 23 02 C 4004	Pharmaceutical organic chemistry-I	4	4	0	4	100
CC	SLLL BMS 23 03 C 2002	Introduction to Microbiology	2	2	0	2	50
CC	SLLL BMS 23 04 C 0042	Practical	0	0	4	2	50
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

SEMESTER – IV

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL BMS 24 01 C 4004	Cell Biology	4	4	0	4	100
CC	SLLL BMS 24 02 C 4004	Pharmacology	4	4	0	4	100
CC	SLLL BMS 24 03 C 2002	Medical Microbiology	2	2	0	2	50
CC	SLLL BMS 24 04 C 0042	Practical	0	0	4	2	50
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

B. Voc. (BIOMEDICAL SCIENCES)

SEMESTER – V

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL BMS 35 01 C 4004	Medical Genetics	4	4	0	4	100
CC	SLLL BMS 35 02 C 4004	Molecular Biology	3	3	0	3	75
CC	SLLL BMS 35 03 C 2002	Medical Biotechnology	3	3	0	3	75
CC	SLLL BMS 35 04 C 0042	Practical	0	0	4	2	50
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

SEMESTER – VI

GENERAL EDUCATION COMPONENT							
Type of Course	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credit**	**Marks**
CC	SLLL BMS 36 01 C 4004	Immunology	4	4	0	4	100
CC	SLLL BMS 36 02 C 4004	Natural Product and Heterocyclic Chemistry	4	4	0	4	100
CC	SLLL BMS 36 03 C 2002	Medicinal Chemistry	2	2	0	2	0
CC	SLLL BMS 36 04 C 0042	Practical	0	0	4	2	50
Total						**12**	**300**
SKILL EDUCATION COMPONENT							
SC	Specific Job Role defined by SSCs as per the guidelines of NSQF.					**18**	
Total Credits						**30**	

L: Lectures T: Tutorial P: Practical

CC: Core Course SC: Skill Course

Semester I

Human Physiology

Course code: SLLL BMS 11 01 C 4004

Credits: 4; Total hours: 60

Course Objective: *The objective of the course in human physiology is to provide a comprehensive study of the molecular and cellular mechanisms that govern the integrative working and regulation of the various organ systems in the human body. The course will provide a foundation of the physiological principles and the application of the same in real-life situations. It also outlines the factors and biochemical events that disrupt homeostasis leading to various diseases. The course will prepare students for higher education in any field related to molecular medicine.*

Course learning outcomes

Unit 1: The tissue level of organization

After completion of the unit, students will be able to:

- Identify the main tissue types and discuss their roles in the human body
- Identify the four types of tissue membranes and the characteristics of each that make them functional
- Explain the functions of various epithelial tissues and how their forms enable their functions
- Explain the functions of various connective tissues and how their forms enable their functions
- Describe the characteristics of muscle tissue and how these enable function
- Discuss the characteristics of nervous tissue and how these enable information processing and control of muscular and glandular activities

Unit 2: Blood

After completion of the unit, students will be able to:

- Identify the primary functions of blood, its fluid and cellular components, and its physical characteristics
- Identify the most important proteins and other solutes present in blood plasma
- Describe the formation of the formed element components of blood

- Discuss the structure and function of red blood cells and hemoglobin
- Classify and characterize white blood cells
- Describe the structure of platelets and explain the process of hemostasis
- Explain the significance of AB and Rh blood groups in blood transfusions
- Discuss a variety of blood disorders

Unit 3: Bone tissue and skeletal system

After completion of the unit, students will be able to:

- List and describe the functions of bones
- Describe the classes of bones
- Discuss the process of bone formation and development
- Explain how bone repairs itself after a fracture
- Discuss the effect of exercise, nutrition, and hormones on bone tissue
- Describe how an imbalance of calcium can affect bone tissue

Unit 4: Gastrointestinal and Hepatic system

After completion of the unit, students will be able to:

- List and describe the functional anatomy of the organs and accessory organs of the digestive system
- Discuss the processes and control of ingestion, propulsion, mechanical digestion, chemical digestion,
- Absorption, and defecation
- Discuss the roles of the liver, pancreas, and gallbladder in digestion
- Compare and contrast the digestion of the three macronutrients

Unit 5: The nervous system and nervous tissue

After completion of the unit, students will be able to:

- Name the major divisions of the nervous system, both anatomical and functional
- Describe the functional and structural differences between gray matter and white matter structures
- Name the parts of the multipolar neuron in order of polarity
- List the types of glial cells and assign each to the proper division of the nervous system, along with their function(s)

- Distinguish the major functions of the nervous system: sensation, integration, and response
- Describe the components of the membrane that establish the resting membrane potential
- Describe the changes that occur to the membrane that result in the action potential
- Explain the differences between types of graded potentials
- Categorize the major neurotransmitters by chemical type and effect

Unit 6: Renal Physiology

After completion of the unit, students will be able to:

- Describe the composition of urine
- Label structures of the urinary system
- Characterize the roles of each of the parts of the urinary system
- Illustrate the macroscopic and microscopic structures of the kidney
- Trace the flow of blood through the kidney
- Outline how blood is filtered in the kidney nephron
- Provide symptoms of kidney failure
- List some of the solutes filtered, secreted, and reabsorbed in different parts of the nephron
- Describe the role of a portal system in the kidney
- Explain how urine osmolarity is hormonally regulated
- Describe the regulation of major ions by the kidney
- Summarize the role of the kidneys in maintaining acid–base balance

Unit 7: Fluid electrolytes and acid-base balance

After completion of the unit, students will be able to:

- Identify the body's main fluid compartments
- Define plasma osmolality and identify two ways in which plasma osmolality is maintained
- Identify the six ions most important to the function of the body
- Define buffer and discuss the role of buffers in the body
- Explain why bicarbonate must be conserved rather than reabsorbed in the kidney
- Identify the normal range of blood pH and name the conditions where one has a blood

pH that is either too high or too low

Unit 8: The Endocrine System

After completion of the unit, students will be able to:

- Identify the contributions of the endocrine system to homeostasis
- Discuss the chemical composition of hormones and the mechanisms of hormone action
- Summarize the site of production, regulation, and effects of the hormones of the pituitary, thyroid, parathyroid, adrenal, and pineal glands
- Discuss the hormonal regulation of the reproductive system
- Explain the role of the pancreatic endocrine cells in the regulation of blood glucose
- Identify the hormones released by the heart, kidneys, and other organs with secondary endocrine functions
- Discuss several common diseases associated with endocrine system dysfunction.

Course Content:

Unit 1: The tissue level of organization (5h)

Types of tissues, Embryonic origin of tissues, Tissue membranes, Classification of epithelial tissue, Connective tissue, Muscle tissue and nervous tissue; **Disorders:** Tissue injury and Aging, Cancer

Unit 2: Blood (10h)

Overview of blood, Characteristics of blood, Blood plasma, Shape and structure of erythrocytes and haemoglobin, Life cycle of erythrocytes. Disorders of erythrocytes, Structure and function of Leukocytes and platelets, Disorder of platelets. Haemostasis. Disorders of clotting.

Unit 3: Bone tissue and skeletal system (8h)

Functions of Skeletal System, Bone classification, Bone structure, Bone cells and tissues, Bone formation and development; **Disorders:** Bone fractures; Exercise, Nutrition, Hormones and bone tissues, Calcium homeostasis

Unit 4: Gastrointestinal and Hepatic system (7h)

Overview of digestive system, Digestive system processes and regulation in the mouth,

pharynx, oesophagus, Stomach, small and large intestine; **Accessory organs in digestion:** Liver, pancreas and gall bladder; Chemical digestion and absorption.

Unit 5: The nervous system and nervous tissue (9h)

Basic structure and function of the nervous system, The central and peripheral nervous system, Functional division of nervous system, Nervous tissue, parts of neurons, types of neurons, Functions of nervous tissue, Action potential, Communication between neurons, Synapse, Neurotransmitters

Unit 6: Renal Physiology (6h)

Physical Characteristics of urine, gross anatomy of urine transport, microscopic anatomy of kidney, Physiology of urine formation, Endocrine regulation of urine function

Unit 7: Fluid electrolytes and acid-base balance (5h)

Body fluids and fluid compartments, Composition of body fluids, Fluid movement between compartments, Water balance, electrolyte balance, Acid-base balance, buffer systems in the body, disorders of acid-base balance in the body.

Unit 8: The Endocrine system (10h)

Neural and endocrine signalling, Hormones, Types of hormones, Pathways of hormone action, Regulation of hormone secretion. Function and regulation of the hormones secreted by following glands: Pituitary and hypothalamus, Thyroid, Parathyroid, Adrenal, Endocrine Pancreas, Gonadal and placental hormones. Organs with secondary endocrine functions.

Suggested Textbook:

1. Fox, S.I. (2018) Human Physiology 15th ed., McGraw Hill International Publications,(New York) ISBN 978-1259864629.
2. Widmaier, E.P., Raff, H. and Strang, K.T. (2019) Vander's Human Physiology 15th ed., McGraw Hill International Publications (New York), ISBN: 978-1259903885.
3. OpenStax College, Anatomy & Physiology. OpenStax College. 25 April 2013. <http://cnx.org/content/col11496/latest/

Suggested References:

1. Guyton, A.C. and Hall, J.E., (2016) Reed Textbook of Medical Physiology 13th ed., Elseviers India Pvt. Ltd. (New Delhi). ISBN: 978-1455770052
2. Sherwood, L. (2012) Introduction to Human Physiology 8th edition; Brooks/Cole, Cengage Learning. ISBN-13: 978-1133104544.

Semester I

Physical and Inorganic Chemistry

Course code: SLLL BMS 11 02 C 4004

Credits: 4; Total hours: 60

Course Objective: *The objective of this course is to offer detailed knowledge about the Thermodynamics, Kinetics, Catalysis, Equilibrium, Buffers, Disperse Systems and Complexation.*

Course Learning Outcomes:

Unit 1: Thermodynamics, Kinetics and Catalysis

After completion of the unit, students will be able to:

- Understand the concepts of thermodynamics
- Apply the laws of thermodynamics
- Describe the basic concepts of kinetics
- Determine the rate of a reaction
- Understand and Apply the Theories of reaction rate and Catalysis.

Unit 2: Equilibrium and Buffers

After completion of the unit, students will be able to:

- Describe the properties of chemical equilibrium
- Explain, using Le Chatelier's Principle, how the equilibrium effected by changes in Temperature, Volume, Pressure and Concentrations.
- State the definition of an Arrhenius acid, a Bronsted-Lowrey acid and a Lewis acid.
- Solve problems using ionization constants, concentrations and pH or pOH for weak acids and weak bases.
- Describe the preparation of a buffer.
- Discuss the common ion effect as it relates to acids and bases in solution.

Unit 3: Disperse System

After completion of the unit, students will be able to:

- Describe classifications of dispersed systems, based on the phases of the components,

and based on the size of the dispersed particles.

- Understand the importance of pharmaceutical dispersions.
- Explain the preparation of Emulsions and their stabilisation.

Units 4: Complexation

After completion of the unit, students will be able to:

- Differentiate between different types of complexes
- List the methods of analysis of complexes
- Describe the applications of complexes.

Course Content

Unit 1: Thermodynamics, Kinetics and Catalysis (15h)

Thermodynamics: First law, second law and third law of thermodynamics, concept of enthalpy and entropy, Hess's law; **Kinetic:** Rate and Rate Equation Order and molecularity, zero, first, Second and pseudo first order reactions, Half-life, Shelf life and the Factors affecting the Rate of Reactions; **Catalysis:** Classification and Applications: Catalysis and Types of Catalysis, Theory, and applications of Homogenous and Heterogenous catalysis; Mechanisms of Catalysis: Acid- Base Catalysis, Enzyme Catalysis, Biocatalysis Phase, Transfer Catalysis, Transition Metal Catalysis and Organo catalysis.

Unit 2: Equilibrium and Buffers (15h)

Chemical equilibrium: Reversible reactions, law of mass action, equilibrium constant, factors influence equilibrium states, relation between Kp and Kc, Van't Hoff reaction isotherm, Van't Hoff Equation; **Ionic Equilibrium:** Acids, bases, pH scale, buffer solutions, indicators, buffer equations and buffer capacity in general; **Buffers in pharmaceutical systems:** Preparation, stability, buffered isotonic solutions, measurements of tonicity, calculations, and methods of adjusting isotonicity

Unit 3: Disperse System (15h)

Colloidal: Size, Shape and types of colloidal systems, Optical Properties, Kinetic Properties, Electrical Properties, Stability of colloidal systems, Sensitization, and protective colloidal Action, Solubilization, Pharmaceutical Applications of colloids.

Gels and Emulsions: Gels and its types, Emulsions, Types of emulsions, Preparation of Emulsion.

Suspensions: Classification and Properties, Formulations and Pharmaceutical applications.

Unit 4: Complexation (15h)

Metal complexes, organic molecular complexes, occlusion compounds and analysis of complexation, protein binding, hydrophobic interaction, and self-association. Applications of complexes; Chelates and Metalloproteins: Chelate, Metalloporphyrin

Suggested Textbooks:

1. Martin A, Bustamante P, Chun AHC. **Physical Pharmacy**. New Delhi: B.I. Waverly Pvt. Ltd.
2. Puri BR, Sharma LR, Pathania MS. **Principles of Physical Chemistry**. New Delhi: Chand and Co.
3. Martin W, Swarbrick J, Cammarata A. **Physical Pharmacy**. Lea & Febiger, Philadelphia. Latest Edition.

Reference Books:

1. Remington: The Science and Practice of Pharmacy. Mack Publishing Co., U.S.A.
2. Lee., J. D. **A new Concise Inorganic Chemistry**, Pearson Education.
3. Atkins, P.W.; Overton, T.L.; Rourke, J.P.; Weller, M.T.; Armstrong, F.A., Shriver and Atkin's Inorganic Chemistry, Oxford.
4. Castellan, G. W., **Physical Chemistry**, Narosa.

Semester I

English Communication

Course code: SLLL BMS 11 03 C 2002

Credits: 2; Total hours: 30

Course Objective: *Effective communication is an essential skill for success in any sphere of activity, from leadership responsibilities, teamwork, interviews, presentations, and inter-personal relations. This is a skill that needs to be taught in a systematic manner so that students imbibe the fundamentals of communication.*

The ability to think critically is crucial for a good communicator and involves an understanding of the communicative process. Therefore, we need to study every stage of this process systematically in order to be much more effective at communicating successfully – interviews, public speaking, letter writing, report writing, presentations, and inter-persona debates and conversations.

Course learning outcomes

Unit 1:

After completion of the unit, students will be able to

- Understand the importance of effective communication
- Describe the barriers for effective communication
- Apply the rules of effective communication to improve their communication skills.

Unit 2:

After completion of the unit, students will be able to

- Identify the styles of communication
- Describe different elements of communication
- Understand the role of body language in communication
- Describe factors built our perspectives

Unit 3:

After completion of the unit, students will be able to

- Describe and practice the elements of active listening to become active listener.

- Express the concepts through writing.
- Organize the message, lecture and practice brief and conscience writing.

Unit 4:

After completion of the unit, students will

- Have the knowledge of dos and don'ts of an interview
- Be able to deliver effective presentations
- Be able to draft email, C.V.'s and reports for business purposes.
- Develop communication skills for group discussion.

Course Content:

Unit 1: **(6h)**

Communication Skills: Introduction, Definition, The Importance of Communication, The Communication Process – Source, Message, Encoding, Channel, Decoding, Receiver, Feedback, Context; **Barriers to communication:** Physiological Barriers, Physical Barriers, Cultural Barriers, Language Barriers, Gender Barriers, Interpersonal Barriers, Psychological Barriers, Emotional barriers; **Perspectives in Communication:** Introduction, Visual Perception, Language, Other Factors affecting our perspective – Past Experiences, Prejudices, Feelings, Environment.

Unit 2: **(6h)**

Elements of Communication: Introduction, Face to Face Communication – Tone of Voice, Body Language (Non-verbal communication), Verbal Communication, Physical Communication; **Communication Styles:** Introduction, The Communication Styles Matrix with example for each –Direct Communication Style, Spirited Communication Style, Systematic Communication Style, Considerate Communication Style

Unit 3: **(7h)**

Basic Listening Skills: Introduction, Self-Awareness, Active Listening, Becoming an Active Listener, Listening in Difficult Situations; **Effective Written Communication:** Introduction, When and When Not to Use Written Communication – Complexity of the Topic, Amount of Discussion' Required, Shades of Meaning, Formal Communication; **Writing effectively:** Subject Lines, Put the Main Point First, Know Your Audience, Organization of the Message.

Unit 4: **(11h)**

Interview Skills: Purpose of an interview, Do's and Don'ts of an interview; **Giving Presentations:** Dealing with Fears, planning your Presentation, Structuring Your Presentation, Delivering Your Presentation, Techniques of Delivery; **Group Discussion:** Introduction, Communication skills in group discussion, Do's and Don'ts of group discussion; **Correspondence:** Personal, official and Business, Report writing, drafting an email, Writing of C.V.

Suggested Textbooks:

1. Interview skills and Group discussion, Praveen Joe I.R. Laxmi Publication.
2. Group discussion, job interview skill, Nitin Sharma, Unicorn books pvt Ltd.
3. Adair, John effective communication, London: Pan Macmillan Ltd.
4. Basic communication skills, Sonu Marwah.

Reference Books:

1. Personality development and communication skills, Dr. S.S. Narula, Taxmann publications pvt ltd.
2. Listening skills, Master the art of listening and communication skills, Michele Gilbert.
3. Communication skills, Sanjay kumar, Pushplata, Oxford University Press.
4. Active listening, the forgotten skill, Corbison, Nitor publication.

Semester I

Practical

Course code: SLLL BMS 11 04 C 0042

Credits: 2; Total hours: 60

Course Objective: *The objective of this course is to provide knowledge of basic laboratory preparation and sensitize them towards the necessity of good laboratory practices and Standard Operating Procedures. This course introduces students to the basic human physiology experiments where students learn to prepare slides and counts cells use the microscope. The course also covers the preparation of different volumetric and buffer solutions, evaluating how various factors affect the rate of reaction.*

Course learning outcomes

After completing the course, students will be able to:

- Count the RBC, WBC, different types of leukocytes present in an individual.
- Estimate the amount of hemoglobin in an individual
- Identify type of blood group of an individual
- Measure the blood pressure using sphygmomanometer
- To perform experiments using good laboratory practices
- To report observations and report the experiments
- Learn different ways of expressing concentration of solution
- Convert one form of concentration to another, e.g., Molarity to g/L.
- Prepare different volumetric solutions using a solid or liquid compound.
- Determine the concentration of given solution-using titration.
- Learn to operate pH meter.
- Synthesise a coordination complex.

Course Content:

1. Introduction to Good laboratory practices
2. Introduction to the Microscope
3. Estimation of haemoglobin

4. Determination of bleeding time and clotting time of blood.
5. Determination of total erythrocyte count.
6. Determination of total leukocyte count.
7. To perform differential leukocyte count of blood.
8. Blood Pressure recordings in humans.
9. Determination of blood group
10. Preparation of volumetric solutions and Determination of concentration of an unknown solution by using titration.
11. Preparation of buffer solutions and determination of pH
12. Experiment to study the effect of concentration, Temperature, and surface area on the rate of reaction.
13. Preparation of lyophilic and lyophobic sols.
14. Synthesis of a coordination compound: metal acetyl acetonate

Suggested Textbooks:

1. Jeffery, G.H.; Bassett, J.; Mendham, J.; Denney, R.C. (Latest ed.), **Vogel's Textbook of Quantitative Chemical Analysis,** 5th Edn.**,** John Wiley and Sons Inc,.
2. Ahluwalia, V.K.; Dhingra, S. (2004), **Comprehensive Practical Organic Chemistry: Qualitative Analysis**, University Press.

Reference Books:

1. Indian Pharmacopoeia (Latest Edition)

Semester II

Biomolecules & Enzymology

Course code: SLLL BMS 12 01 C 4004

Credits: 4; Total hours: 60

Course Objective: *The objective of this course is to offer detailed knowledge about the biomolecules present inside the cell. The course focus on giving a deeper insight into the fundamentals of structure and function different biomolecules. The objective of this course is also to provide a deeper insight into the fundamentals of structure, function and kinetics of enzymes.*

Course Learning Outcome

Unit 1: Carbohydrate and Lipids

Students will get a grasp on structure and their criterion of classification of carbohydrates. They will be able to understand role of different types of carbohydrates in a cell. Students will learn about structure and function of building blocks of lipids. They will also learn about physio-chemical properties of fatty acids.

Unit 2: Proteins and Nucleotides

Students will learn composition and structure of protein. They will also learn different organization level of protein and their functions in the cell. They will also learn how enzyme behave when the optimum conditions are changed. Students will learn composition and structure of nucleotides. They will also learn about the model and role of DNA and RNA in cell functioning.

Unit 3: Enzymes

Students will get a grasp on structure of enzymes and their criterion of classification. They will be able to understand role of coenzymes in enzymatic catalysis. They will also learn how enzymes and substrate reacts and what are underlying mechanisms that make an enzymatic reaction to be feasible.

Unit 4: Enzyme kinetics and regulation

Students will learn kinetics of enzymes. They would be able to determine kinetic parameters and relate their significance. Effect of different inhibitors on enzyme activity will also be learnt. They will learn the general properties of regulatory enzymes, their activity and kinetics. They will also learn concept of post –translation modification which certain enzyme undergo to be functional.

Course Content

Unit 1: Carbohydrate and Lipids (15h)

Definition, classification, structure and functions of carbohydrates; **Monosaccharides-** Glucose, Fructose, Galactose, Mannose, Stereoisomers, Epimers, Ring structure and anomers, Mutarotation; **Disaccharides-** Maltose, Lactose, Sucrose, Trehalose; **Polysaccharides-** Concept of homopolysaccharide and heteropolysaccharide, Chemical nature of Starch, Glycogen, Cellulose, Bacterial cell wall polysaccharides and agar. Biological importance of Proteoglycans, Glycoproteins, and Glycolipid; Definition and classification of lipids. Classification of fatty acids, physio-chemical properties of fatty acids, Structure and function of cholesterol, Phosphoglycerides, Sphingolipids, Glycosphingolipids and Eicosanoids.

Unit 2: Protein and nucleic acids (15h)

Definition and classification of amino acids based on chemical nature and nutritional (essential and nonessential) requirement, Zwitterions, pKa, pI, Titration of amino acids, Peptide bonds; **Structure of protein**-Primary, secondary, tertiary and Quaternary structure; Protein stability, Bonds and interaction stabilizing the protein structure, Protein folding, Denaturation and Renaturation; Importance of nucleic acids in living system, General composition of nucleic acids, Purine and pyrimidine bases; Structure of nucleosides and nucleotide, Deoxynucleotides, Cyclic nucleotides; Watson and crick model of DNA, Different types of DNA and RNA, Denaturation and renaturation of DNA

Unit 3: Enzymes (15h)

Introduction to enzymes, Apoenzyme, Holoenzyme, Role of coenzymes and prosthetic groups and vitamins as coenzymes precursors, Metal-activated and Metallo-enzymes; Classification and nomenclature of enzymes with example, Activation energy and Transition

state theory, Binding energy; Unit of enzyme activity – definition of IU, Katal, enzyme activity, Specific activity; Effect of pH, temperature, substrate concentration and metal ions on the activity of enzyme. Specificity of enzymes (concept of active site); Theories of enzyme catalysis – Lock and key model, Induced fit theory.

Unit 4: Enzyme kinetics and regulation (15h)

Relationship between initial velocity and substrate concentration; Enzyme kinetics: Michaelis – Menten equation, Briggs and Haldane theory (rapid equilibrium and steady state theory), Lineweaver – Burk (L-B) plot, Determination of Vmax & Km from L-B plot and their significance, Significance of Kcat and specificity constant; Reversible enzyme inhibition– Competitive, Non-competitive and Uncompetitive; Suicide inhibitor, Transition state analogues, Catalytic antibodies, Isozymes and Ribozymes; Allosteric enzyme, Allosteric regulation with ATPase as an example, Covalent modification- glycogen phosphorylase, Zymogen activation by proteolytic cleavage with example of chymotrypsin and trypsin.

Suggested Textbooks:

1. Nelson, D.L.and Cox, M.M.(2009). Lehninger`s Principles of Biochemistry, W.H. Freeman and Company, New York.
2. Price, N.C. and Stevens, L. (1996). Fundamentals of Enzymology, Oxford University Press Inc. N.Y.
3. Berg, J. M., Tymoczko J. L. and Stryer L. (2006) 6th Edition. *Biochemistry*. New York,USA: W. H. Freeman and Co. ISBN-13: 978-0716787242

Semester II

Environmental Sciences

Course code: SLLL BMS 12 02 C 4004

Credits: 4; Total hours: 60

Course Objective: *This course introduces students to environment concerns. Students are expected to learn about environment, factors affecting it, environmental ethics and its protection through lectures, presentations, documentaries and field visits.*

Course learning outcomes

CO1: Understand the relationship between humans and their environment, predict the consequences of human actions on the environment, global economy and quality of human life

CO2: Gain in-depth knowledge on natural processes that sustain life.

CO3: Develop critical thinking for environmental protection and conservation of biodiversity, social equity and sustainable development

CO4: Acquire values and attitudes towards understanding complex environmental-socioeconomical challenges, knowledge of pollution and environmental degradation.

CO5: Understand the fundamental concepts of various ecosystems.

CO6: Adopt sustainability as a practice in life, society and industry.

Course Content:

Unit 1: Introduction to Environmental Science (10h)

Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere. Scope and importance; Concept of sustainability and sustainable development; **Ecosystems:** What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chain, food web and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 2: Natural resources, Biodiversity and conservation (20h)

Natural Resources: Renewable and Non-renewable Resources Land Resources and land use change; Land degradation, soil erosion and desertification; Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations; Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state); Heating of earth and circulation of air; air mass formation and precipitation; Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies; **Biodiversity and Conservation:** Levels of biological diversity: genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns and global biodiversity hot Spots; India as a mega-biodiversity nation; Endangered and endemic species of India; Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity; Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Unit 3: Environment pollution, policies and practices (18h)

Environmental Pollution: Environmental pollution: types, causes, effects and controls; Air, water, soil, chemical and noise pollution; Nuclear hazards and human health risks; Solid waste management: Control measures of urban and industrial waste; Pollution case studies.

Environmental Policies & Practices: Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture; Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act; International agreements; Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC); Nature reserves, tribal population and rights, and human, wildlife conflicts in Indian context.

Unit 4: Human Communities and the Environment (12h)

Human population and growth: Impacts on environment, human health and welfares; Carbon foot-print, Resettlement and rehabilitation of project affected persons; case studies; Disaster

management: floods, earthquakes, cyclones and landslides; Environmental movements: Chipko, Silent valley, Bishnios of Rajasthan; Environmental ethics: Role of Indian and other religions and cultures in environmental conservation; Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi, Swachh Bharat Abhiyan).

Field work:

- Visit to an area to document environmental assets; river/forest/flora/fauna, etc.
- Visit to a local polluted site Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems-pond, river, ridge, etc.

Suggested Text Books:

1. Basu, M., Xavier, S. (2016). Fundamentals of Environmental Studies, Cambridge University Press, India
2. Bharucha, E. (2013). Textbook of Environmental Studies for Undergraduate Courses. Universities Press.
3. De, A.K., (2006). Environmental Chemistry, 6th Edition, New Age International, New Delhi.
4. Masters, G. M., &Ela, W. P. (1991). Introduction to environmental engineering and science. Englewood Cliffs, NJ: Prentice Hall.
5. Kaushik A. and Kaushik C.P., (2011) Perspectives in Environmental Studies, New age International Publishers, New Delhi, India.

Reference Books:

1. Carson, R. *2002. Silent Spring.* Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R.1993. This *Fissured Land:* An Ecological History of India Univ. of California Press.
3. Gleick, P.H. 1993. Water in *Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
4. Groom, Martha J. Gary K. Meffe, and Carl Ronald carroll. *Principles of Conservation Biology.* Sunderland: Sinauer Associates, 2006.

5. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. Science, 339: 36-37.
6. McCully, P.1996. *Rivers no more: the environmental effects of dams* (pp. 29-64). Zed Books.
7. McNeil, John R. 2000. Something New Under the Sun: An Environmental History of the Twentieth Century.
8. Odum, E.P., Odum, h.T. & Andrews, J.1971. *Fundamentals of Ecology.* Philadelphia: Saunders. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. Environmental and Pollution Science. Academic Press.
9. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment.* Oxford and IBH Publishing Co. Pvt. Ltd.
10. Raven, P.H., Hassenzahl, D.M. & Berg, L R. 2012. *Environment.* 8th edition. John Wiley & Sons.
11. Rosencranz, A., Divan, S., & Noble, M.L. 2001. *Environmental law and policy in India.* Tripathi 1992.
12. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation.* S. Chand Publishing, New Delhi.
13. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voice from the Tropics.* John Wiley & Sons.
14. Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent.*
15. Wilson, E.O. 2006. *The Creation: An appeal to save life on earth.* New York: Norton.

Semester II

Analytical Chemistry

Course code: SLLL BMS 12 03 C 2002

Credits: 2; Total hours: 30

Course Objective: *The objective of this course is to offer knowledge about the gases, Liquids, and their physiochemical behaviour. This course also provides Knowledge of the spectroscopic technique for the structural identification and characterization of simple organic compounds.*

Course Learning Outcome:

Unit 1: Gases and Liquids

Students will be able to

- Describe the properties of gases
- Use kinetic theory to explain gas behaviour
- Recognize why gases do not behave as ideal gases
- Understand the surface tension, viscosity and other properties of fluid
- Distinguish between ideal and real solutions
- Explain colligative properties

Unit 2: Spectroscopy

Students will be able to

- Study and solve problems of Ultraviolet and Visible spectroscopy of organic molecules
- Understand Infrared spectroscopy and its applications to structural problems.
- Learn important terms and theory of Nuclear Magnetic Resonance spectroscopy and Mass spectroscopy
- Solve problems based on UV, IR Spectroscopy to interpret structure.

Course Content:

Unit 1: Gases and Liquids **(15h)**

Behaviour of Gases: Kinetic theory of gases, deviation from behaviours and explanation. **The Liquid State**: Physical properties (surface tension, viscosity, refractive index, optical rotation, dipole moments and chemical constituents). **Solutions**: Ideal and real solutions, solutions of gases in liquids, colligative properties, partition coefficient, conductance and its measurement, Debye Huckel theory.

Unit 2: Spectroscopy **(15h)**

Basic Principles of UV Spectroscopy: Application of Woodward-Fieser rule in interpretation of Organic compounds: Application of visible, ultraviolet and infrared spectroscopy in organic molecules. Electromagnetic radiation, electronic transitions, λmax & εmax, chromophore, auxochrome, bathochromic and hypsochromic shifts. Application of electronic spectroscopy and Woodward rules for calculating λmax of conjugated dienes and α, β – unsaturated compounds. **Basic principles of IR Spectroscopy**: Identification of Functional groups of various classes of organic compounds: Infrared radiation and types of molecular vibrations, functional group and fingerprint region. IR spectra of alkanes, alkenes and simple alcohols (inter and intramolecular hydrogen bonding), aldehydes, ketones, carboxylic acids and their derivatives (effect of substitution on >C=O stretching absorptions). Brief introduction to **NMR and Mass Spectrometry**

Suggested Textbooks:

1. B.R.Puri, L.R.Sharma, M.S.Pathania, **Principles of Physical Chemistry,** Vishal Publishing Co., Latest Edition.
2. R.M. Silverstein, G.C. Bassler & T.C. Morrill: **Spectroscopic Identification of Organic Compounds**, John Wiley & Sons.

Reference Books:

1. Castellan, G. W., **Physical Chemistry**, Narosa, Latest Edition.
2. Atkins, P. W. & Paula, J. de Atkin's Physical Chemistry 8th Ed., Oxford University Press
3. Kemp W. **Organic Spectroscopy**: London: ELBS / WH Freeman & Co
4. John R. Dyer, **Applications of absorption spectroscopy of organic compounds**, Prentice Hall India

Semester II

Practical

Course code: SLLL BMS 12 04 C 0042

Credits: 2; Total hours: 60

Course Objective: *The objective of this course is to give hands-on-training to basic biochemistry experiments. Students will be skilled to identify and quantify the carbohydrates, proteins and lipids. Students will learn to examine the effects of physical conditions on enzymes and factors affecting the rate of reaction. This course covers the determination of properties like viscosity, Surface tension and absorbance properties. One important objective of this course to teach students the use of UV-Vis spectrophotometer.*

Course learning outcomes

At the end of this course, Student will be able to

- Learn general test for carbohydrates.
- Identify reducing and non-reducing sugar
- Differentiate between aldehyde and ketone sugar
- Identify pentose and hexose sugar
- Learn the general qualitative test of proteins.
- Effect of temperature pH and substrate concentration on enzyme activity
- Learn to determine viscosity and surface tension.
- Determine the partition coefficient of compounds in two immiscible solvents.
- Operate UV- Visible spectrophotometer.
- Verify Beer- Lambert's law.
- Determine the concentration of unknown solution using UV-Visible spectrophotometer.
- Learn to determine viscosity and surface tension.
- Determine the partition coefficient of compounds in two immiscible solvents.
- Operate UV- Visible spectrophotometer.
- Verify Beer- Lambert's law.
- Determine the concentration of unknown solution using UV-Visible spectrophotometer.

Course Content:

1. Qualitative tests for Carbohydrates
2. Qualitative tests for Proteins
3. Determination of saponification value of fats and oil.
4. Determination of Iodine number of a fat sample.
5. Titration curve of Glycine.
6. Determination of alkaline phosphatase activity from germinating seeds.
7. To determine temperature optima for alkaline phosphatase
8. To examine effect of pH on activity of alkaline phosphatase
9. To study the effect of substrate concentration on activity of alkaline phosphatase and determination of Km and Vmax of the reaction.
10. Preparation of casein from milk and determination of its isoelectric point.
11. Determination of the relative and absolute viscosity of a liquid dilute solution using an Ostwald's viscometer.
12. Determination of surface tension using stalagmometer.
13. Determination of partition coefficient.
14. Verification of Beer's law using KMnO4 or CuSO4 Solution and determination of concentration of unknown solution
15. Spectroscopic determination of aspirin in tablet

Suggested Textbooks

1. Jeffery, G.H.; Bassett, J.; Mendham, J.; Denney, R.C. (Latest ed.),**Vogel's Textbook of Quantitative Chemical Analysis,** 5th Edn.**,** John Wiley and Sons Inc,.
2. Ahluwalia, V.K.; Dhingra, S. (2004), **Comprehensive Practical Organic Chemistry: Qualitative Analysis**, University Press.
3. Berg, J. M., Tymoczko J. L. and Stryer L. (2006) 6th Edition. *Biochemistry*. New York, USA: W. H. Freeman and Co. ISBN-13: 978-0716787242
4. Nelson, D. L. and Michael M. Cox (2008) 5th Edition. *Lehninger principles of biochemistry*. New Jersey, USA: Prentice Hall Publishers. ISBN-13:978-0321707338

Reference Books:

1. Indian Pharmacopoeia (Latest Edition)
2. Plummer D.T. (1987). 3rd Edition. *An introduction to practical biochemistry*. New York,USA: McGraw-Hill College. ISBN-13: 978-0070841659

Semester III

Metabolism of Biomolecules

Course code: SLLL BMS 23 01 C 4004

Credits: 4; Total hours: 60

Course Objective: *The main objective of the course is to offer detailed and comprehensive knowledge about the synthesis and degradation pathways of amino acids and nucleotides and their importance in the proper functioning of the cells. This course also interrelates the metabolism of these molecules with respect to health diseases in addition to providing overview of inhibitors of metabolism for treating the diseases of metabolic disorders.*

Course Learning Outcome

Unit 1: Carbohydrate metabolism

Students will learn the possible metabolic fates of a glucose molecule inside the cell according to the physiological conditions and resulting metabolic disorders due to defective enzyme involved in the respective pathway. Students will also learn the mechanism behind the synthesis of one ATP molecule.

Unit 2: Lipids metabolism

Students will learn how a molecule of fatty acid is completely metabolized into energy. They will learn to correlate the fatty acid concentration with Diabetes mellitus and starvation. The metabolic disorders related to fatty acid metabolism.

Unit 3: Amino acid metabolism

Students will learn the basic mechanisms involved in the degradation of proteins. They will also learn how a molecule of urea is synthesized inside the cell. The interrelation of pathways in urea synthesis is also learnt. The disorders related to protein metabolism will also be discussed.

Units 4: Nucleic acid metabolism

Students will learn different pathways by which purines and pyrimidines are synthesized by the cell and their regulation too. The regulation of key enzymes of pathways will also be learnt they will also learn how activation –deactivation of specific enzyme of nucleotide metabolism is helpful in treating various diseases

Course Content:

Unit 1: Carbohydrate Metabolism (15h)

Glycolysis, Entry of galactose, Mannose and fructose into glycolytic pathway. Anaerobic fate of pyruvate: ethanol and lactic acid fermentation, Gluconeogenesis, Hexose Monophosphate Pathway, Coordinate Regulation of glycolysis and gluconeogenesis, futile cycle; Glycogen metabolism: Synthesis and breakdown of glycogen and its coordinate regulation. Aerobic fate of pyruvate, Pyruvate dehydrogenase complex enzyme and TCA cycle, Amphibolic nature, Anaplerotic reactions, Regulation of TCA cycle, Glyoxylate cycle; Electron transport chain and Oxidative phosphorylation: Component and sequence of electron, Proton motive force, Chemiosmotic theory of ATP synthesis, Role of uncouplers and thermogenesis; Disorders associated with defects in carbohydrate metabolism: Lactose intolerance, fructose intolerance, Glycogen storage disorders**.**

Unit 2: Lipid Metabolism (15h)

Transport of fatty acids to mitochondria, β-Oxidation of even chain saturated fatty acid. β-Oxidation of odd chain saturated fatty acid, Omega and Alpha oxidation of fatty acids. Bioenergetics for complete oxidation of fatty acid to acetyl CoA and CO_2, Coordinate regulation of fatty acid synthesis and breakdown, Ketone bodies synthesis and degradation (Ketosis). Relationship of ketone bodies production with Diabetes mellitus and starvation; Disorders associated with defects in Lipid metabolism: Tay sach's disease, Gaucher disease

Unit 3: Amino acids metabolism (15h)

General reaction of amino acid degradation – Transamination, deamination and decarboxylation. ketogenic and glucogenic amino acids, Urea cycle and its significance, Link between Urea cycle and Citric acid cycle. Regulation of Urea cycle, Catabolic pathway of

phenylalanine and tyrosine; Disorders associated with defects in protein and amino acid metabolism; Disorder associated with deficiency of Urea cycle enzymes and their treatment, Maple syrup urine disease, Phenylketonuria.

Unit 4: Nucleic acid metabolism (15h)

Brief outline of *denovo* synthesis of purine and pyrimidine nucleotides, Regulation of synthesis of purine and pyrimidine nucleotides by feedback mechanism, Allosteric regulation of asparate transcarbamoylase by CTP and ATP, Salvage pathway for DNA synthesis, Chemotherapeutic agents targeting nucleotide biosynthetic pathways; Disorders associated with defects in nucleotide metabolism- Gout, Lesch-Nyhan Syndrome, ADA.

Reference Books:

1. Devlin, T. M., (2011). *Textbook of Biochemistry with Clinical Correlations.* John Wiley& Sons, Inc. (New York). ISBN: 978-0-4710-28173-4.
2. Nelson, D.L. and Cox, M.M. (2017). *Lehninger: Principles of Biochemistry* (7th ed.). W.H. Freeman & Company (New York), ISBN:13: 9781464126116 / ISBN:10-1464126119.
3. Price, N.C. and Stevens, L.(1996). Fundamentals of Enzymology, Oxford University Press Inc. N.Y.

Semester III

Organic Chemistry

Course code: SLLL BMS 23 02 C 4004

Credits: 4; Total hours: 60

Course Objective: *The objective of this course is to impart knowledge of fundamental concepts of organic chemistry, Stereochemistry, and Different types of organic reactions and their mechanism.*

Course Learning Outcome:

Unit 1: Fundamentals of Organic Chemistry

Students will be able to

- Understand the core concepts of organic chemistry i.e. resonance, hyperconjugation, inductive effect etc. and their application.
- Understand nucleophile and electrophile groups and their properties.
- Recognise various reactive intermediates.
- Identify the suitable ways to generate each type of reactive intermediate
- Explain the concept of aromaticity.

Unit 2: Stereochemistry

Students will be able to

- Identify stereogenic centres in organic molecules
- Distinguish between different types of isomers, including enantiomers and diastereomers
- Draw all stereoisomers for a given structure
- Use (R)- and (S)- descriptors to describe enantiomers and identify if a compound has (R)- or (S)- stereochemistry
- Convert between stereo structures and Fischer projections
- Determine the maximum number of isomers possible in a compound with more than one stereogenic centre

- Identify meso compounds and when to expect them
- Appreciate the role of chirality in nature and in drug design

Unit 3: Organic reactions and their mechanisms (Part-1):

Students will be able to

- Know the various types of organic reactions
- Learn the difference between each type of reaction
- Predict products of each reaction type.
- Understand the concept of organic reaction mechanism
- Apply the concept of different organic reactions for predicting the product of a given reaction.

Units 4: Organic reactions and their mechanisms (Part-2):

Students will be able to

- Learn about generation, stability, and reactivity of free radicals
- Familiarize with the mechanistic aspects of free radical reactions
- Explain pericyclic reactions like Electrocyclic reactions, Cycloaddition reactions and Sigmatropic reactions.
- Evaluate application of Woodward-Hoffmann rules to pericyclic reactions
- Analyse which types of pericyclic mechanism is operative in a reaction.
- Differentiate between photochemical reaction and thermal reaction
- Apply the concept of photochemical reactions to predict the product.

Course Content:

Unit 1: Fundamentals of Organic Chemistry (15h)

Electronic displacements: Inductive effect, Electromeric effect, Resonance, Hyperconjugation. Cleavage of bonds: homolysis and heterolysis. Reaction intermediates: carbocations, carbanions and free radicals. Electrophiles and nucleophiles, Aromaticity: benzenoids and Hückel's rule.

Unit 2: Stereochemistry (15h)

Conformations with respect to ethane, butane and cyclohexane, interconversion of Wedge Formula, Newmann, Sawhorse and Fischer representations, concept of chirality (upto two carbon atoms). configuration: geometrical and optical isomerism; enantiomerism, diastereomerism and meso compounds). Threo and erythro; D and L; cis - trans nomenclature; CIP Rules: R/ S (for upto 2 chiral carbon atoms) and E / Z nomenclature (for upto two C=C systems).

Unit 3: Organic reactions and their mechanisms (Part-1): (15h)

Overview of different types of Organic Reaction, **Addition Reactions:** Electrophilic Addition, Nucleophilic Addition, Free Radical Addition, Concerted Addition; **Substitution Reactions:** Nucleophilic Substitution Reactions, Electrophilic substitution Reaction, Free Radical Substitution Reaction; **Elimination Reactions:** Introduction, E1 Mechanism, E2 Mechanism, E1CB Mechanism, Alpha Elimination reactions

Unit 4: Organic reactions and their mechanisms (Part-2): (15h)

Free Radical Reactions: Generation, Structure and Stability of Free Radicals, Mechanism and Applications of Free radical reactions, persistent radicals; **Pericyclic Reactions:** Pericyclic reactions and its types, Cycloaddition Reaction, Electrocyclic Reaction, Sigma tropic Rearrangement Reactions; **Photochemical Reactions:** Photophysical Processes, Jablonskii Diagram, Photochemical reactions.

Suggested Textbooks:

1. **A textbook of organic chemistry** – Arun Bahl, B.S. Bahl, Latest Edition.
2. Morrison, R. N. & Boyd, R. N. **Organic Chemistry**, Latest Edn., Dorling Kindersley (India) Pvt. Ltd. (Pearson Education).

Reference Books:

1. F. A. Carey, **Organic Chemistry**, Latest Edition, Tata McGraw Hill.
2. J. Clayden, N. Greeves, S. Warren, **Organic Chemistry**, Latest Ed., Oxford Universitiy Press.
3. F. A. Carey, R. J. Sundberg, **Advanced Organic Chemistry**, Part A: Structure and mechanism, Kluwer Academic Publisher, Latest Edition.

Semester III

Introduction to Microbiology

Course code: SLLL BMS 23 03 C 2002

Credits: 2; Total hours: 30

Course Objective: *The objective of the course is to trace the history of development of the discipline of Microbiology and to emphasize the existence of the immense diversity in the microbial world. The course has been formulated to impart basic and medically relevant information on the microbes and provide knowledge about various microbial infectious agents that cause diseases in humans, the concepts of treatment and the biochemical basis of mechanism of action and drug resistance for various antimicrobial agents.*

Course learning outcomes

Unit 1: History and Scope of Microbiology

Students will develop a good knowledge of the development of the discipline of Microbiology and the contributions made by prominent scientists in this field.

Unit 2: Prokaryotic Cell Structure and Function

Student will gain knowledge on various classes of microorganisms; their structure extracellular and intracellular components and describe characteristics of bacterial cells, cell organelles, cell wall composition and various appendages like capsules, flagella or pili.

Unit 3: Introduction and General Characteristics of Viruses

Student will develop knowledge of the chemical nature of viruses, different types of viruses infecting animals, and bacteria (bacteriophages) outcome and life cycles of viruses involved in causing human diseases like AIDS, Covid and influenza. Students will be able to explain the biology and life cycle of bacteriophages.

Unit 4: Pathogenicity of Microorganisms

Student will be able to explain the concept of symbiosis and parasitism, and the significance pathogenicity in causing human and animal diseases while emphasizing viral and bacterial disease mechanisms.

Course Content:

Unit 1: History and Scope of Microbiology (7h)

Members of the Microbial World: Prokaryotes, Eukaryotes, Biological entities; Discovery of Microorganisms: Development of Microscopes and Culture-Based Methods; Conflict over Spontaneous Generation: Contributions of Francesco Redi, John Needham, Lazzaro Spallanzani, Theodore Schwann, Theodor von Dusch, Louis Pasteur, John Tyndall; Microorganisms and Disease: Contributions of Louis Pasteur, Joseph Lister, Robert Koch

Unit 2: Prokaryotic Cell Structure and Function (8h)

An Overview of Prokaryotic Cell Structure: Shape, Arrangement, and Size; Bacterial Cell Wall and Plasma Membrane: Overview of Bacterial Cell Wall Structure, Peptidoglycan Structure, Gram-Positive Cell Walls, Gram-Negative Cell Walls, Fluid Mosaic Model of Plasma Membrane Structure; Cytoplasmic Matrix & Nucleoid: Inclusion Bodies, Ribosomes, Plasmids, Nucleoid; Components External to the Cell Wall: Capsules, Pilli, and Flagella

Unit 3: Introduction and General Characteristics of Viruses (4h)

Structure of Viruses: Virion Size, General Structural Properties, Helical Capsids, Icosahedral Capsids, Viruses with Capsids of Complex Symmetry, Viral Envelopes and Enzymes, Viral Genomes; Bacteriophages: General Characteristics, Lytic Cycle, And Lysogenic Cycles

Unit 4: Pathogenicity of Microorganisms (8h)

Host-Parasite Relationships: Parasite, Host, Pathogen, and Virulence; Pathogenesis of Viral Diseases: Maintaining a Reservoir, Contact Entry and Primary Replication, Release from Host Cells, Viral Spread and Cell Tropism, Virus-Host Interactions, Virus Shedding; Pathogenesis of Bacterial Diseases: Maintaining a Reservoir, Transport to the Host, Attachment and Colonization, Invasion of Host Tissues, Growth and Multiplication, Leaving the Host; Bacterial toxins: Exotoxins, Endotoxins

Suggested Textbooks:

1. Prescott, Harley, Wiley, J.M., Sherwood, L.M., Woolverton, C.J.

Klien's (2008). Microbiology (7th ed.). Mc Graw Hill International Edition (New York) ISBN: 978- 007-126727

2. Chan, M. J., Krieg E. C. S., Pelczar, N. R. (2004) *Microbiology* (5th ed.). McGraw Hill International. ISBN 13: 9780094623206.
3. Willey, J., Sherwood, L., Woolverton, C. (2017). *Prescott's Microbiology* (10th ed.). McGraw Hill international. ISBN 13: 9781259657573.

Reference Books:

1. Cappuccino J. G., and Sherman N., *Microbiology: A Laboratory manual* (10th ed.). Benajamin/ Cummings. ISBN 13: 9780321840226.
2. Madigan, M. T., Martinko J. M., & Stahl D. A., (2010) *Brock Biology of Microorganisms* (13th ed.). Pearson Education International. ISBN 13: 9780321649638.

Semester III

Practical

Course code: SLLL BMS 23 04 C 0042

Credits: 2; Total hours: 60

Course Objective: *This course aims to impart basic understanding of microbial techniques by hands-on- experience on working with microorganisms and maintenance of microbes under laboratory conditions. It will also provide knowledge about various control methods for the growth of microbes and the characteristic features of different microbes. This course also aims to introduce different quantitative methods to quantify carbohydrates and proteins from unknown source. This course introduces the use of ChemDraw software and Stereomodels. Also, it includes separation of components of organic mixture.*

Course learning outcomes

After completion of this course, a student will be able:

- To visualize and identify various microorganisms
- To culture microorganisms in aseptic conditions
- To prepare and sterilize different types of media
- To maintain different types of cultures
- To carry out research using microorganisms.
- To learn the principles behind and importance of sterilization while working in varied areas of biology in various laboratories.
- Operate ChemDraw Software.
- Draw structures and write equations in ChemDraw. Prediction of NMR of given compounds.
- Explain the stereochemistry of compounds using stereo models.
- Separate the organic compounds from their mixture.
- To perform different biochemical assays to quantify the carbohydrates and proteins in samples.

Course Content:

1. Preparation of LA and LB media
2. Gram's staining
3. Estimation of blood sugar
4. Testing of Liver Function Test (Bilirubin, SGOT, SGPT, Alkaline Phosphatase, Albumin, Globulin, Total Protein)
5. Estimation of urea
6. Estimation of cholesterol
7. Drawing structures, reactions and mechanism using chem-draw software. Prediction of ^{1}H and ^{13}C NMR.
8. Introduction and preparation of stereo models: butane, butane, butyne Cis/Trans alkene, cyclohexane.
9. Separation of mixture of organic compounds.
10. Preparation of solutions based on molarity, normality, percentage, dilutions etc.
11. Preparation of buffers.
12. To quantify the concentration of unknown solution of carbohydrate by Nelson somogyi method
13. To quantify the total protein by lowry method.
14. To perform Bradford assay for protein.

Suggested Textbooks:

1. Ahluwalia, V.K.; Dhingra, S. (2004), **Comprehensive Practical Organic Chemistry: Qualitative Analysis**, University Press.
2. Furniss, B.S.; Hannaford, A.J.; Smith, P.W.G.; Tatchell, A.R.(2012),**Vogel's Textbook of Practical Organic Chemistry**, Pearson.
3. Nelson, D. L. and Michael M. Cox (2008) 5th Edition. *Lehninger principles of biochemistry*. New Jersey, USA: Prentice Hall Publishers. ISBN-13:978-0321707338
4. Berg, J. M., Tymoczko J. L. and Stryer L. (2006) 6th Edition. *Biochemistry*. New York,USA: W. H. Freeman and Co. ISBN-13: 978-0716787242.

Reference Books:

1. Indian Pharmacopoeia (Latest Edition)

2. Sawhney, S.K. and Singh, R. (2005). *Introductory practical biochemistry*. Oxford,UK: Alpha Science International.
3. Devlin, (2011). *Textbook of biochemistry with clinical correlations*. UK: Wiley T &Sons.

Semester IV

Cell Biology

Course code: SLLL BMS 24 01 C 4004

Credits: 4; Total hours: 60

Course Objective: *The course aims to provide advanced knowledge of the function of cellular organelles, the structure and function of cytoskeleton and its role in motility. The course will also provide details of cellular interaction with cells and tissues around and the molecular regulation of cell growth and cell death. The course will outline the molecular details of the origin of cancer and the diagnosis and treatment.*

Course learning outcomes

Unit 1: Introduction to cell Biology

Students will have the knowledge of structure, size, the function of various organelles and types of cells and their function.

Unit 2: Nucleus, Protein Sorting and Transport

Students will have the knowledge of structure of nuclear pore complex, nuclear lamina, transport across nuclear envelope, molecular organization of chromatin. Students will be able to describe the process of posttranslational modification in endoplasmic reticulum, protein sorting and export from Golgi apparatus.

Unit 3: Mitochondria and Peroxisomes

Students will be able to describe organization and functions of parts of mitochondria, its genetic makeup, marker enzymes and export and import of proteins in the mitochondria along with the assembly of peroxisomes.

Unit 4: Plasma Membrane, Extracellular Matrix and Cell Interactions

Students will learn about the different types of molecules which carryout transport of small molecules, Endocytosis, movement across extracellular matrix and bring cell to matrix and cell to cell Interactions.

Unit 5: Cell Signaling

Students will learn about the different types of signaling pathways by focusing on signaling molecules and their receptors and how it leads to activation to signaling cascade leading to the gene expression to carry out a particular function.

Unit 6: Cytoskeleton and Cell Movement

Students will be exposed to cytoskeleton elements and how their association and dissociation leads to movement of a cell and organelles within the cell.

Unit 7: Cell Cycle

Students will be exposed to different phases of cell cycle and it is regulated at the molecular level.

Unit 8: Cell Death and Cell Renewal

Students will have the knowledge of ways a cell undergo death with their detailed mechanism and about the features of stem cells and maintenance of adult tissues.

Course Content:

Unit 1: Introduction to cell Biology (5h)

Structure, Size and Classification

Unit 2: Nucleus, Protein Sorting and Transport (10h)

Nuclear Envelope - Structure of Nuclear Pore Complex, Nuclear Lamina, Transport across Nuclear Envelope, Chromatin: Molecular Organization, Nucleolus.

Endoplasmic reticulum, Golgi apparatus, Mechanism of Vesicular Transport, Lysosomes.

Unit 3: Mitochondria and Peroxisomes (7h)

Structural Organization, Function, Marker Enzymes, Mitochondrial Biogenesis, Protein Import in Mitochondria, Semiautonomous Nature of Mitochondrial DNA, Peroxisomes' Assembly

Unit 4: Plasma Membrane, Extracellular Matrix and Cell Interactions (8h)

Structure; Transport of Small Molecules, Endocytosis, Extracellular Matrix and Cell Matrix Interactions; Cell-Cell Interactions.

Unit 5: Cell Signaling (8h)

Signaling Molecules and their Receptors; Functions of Cell Surface Receptors; Intracellular Signal Transduction Pathway (GPCR, RTKs); Signaling Networks.

Unit 6: Cytoskeleton and Cell Movement (7h)

Structure and Organization of Actin Filaments; Actin, Myosin and Cell Movement; Intermediate Filaments; Microtubules.

Unit 7: Cell Cycle (8h)

Eukaryotic Cell Cycle, Regulation of Cell Cycle Progression, Events of Mitotic Phase, Meiosis and Fertilization.

Unit 8: Cell Death and Cell Renewal (7h)

Programmed Cell Death (Extrinsic and Intrinsic Pathways, Necrosis and Autophagy, Stem Cells and Maintenance of Adult Tissues, Embryonic Stem Cells.

Reference Books:

1. Cooper, G.M. and Hausman, R.E., (2009). *The Cell: A Molecular Approach*. (7th ed.). ASM Press & Sunderland (Washington DC), Sinauer Associates, MA. ISBN:978-0-87893-30.
2. Karp, G., (2010). *Cell and Molecular Biology: Concepts and Experiments* (8th ed.). John Wiley & Sons. Inc. ISBN: 978-1-118-65322-7.
3. Kleinsmith, L. J., Hardin, H., Wayne G., Becker, M. (2009). *The World of the cell* (7th ed.). ISBN-13: 978-0805393934 / ISBN-10: 0805393935.

Semester IV

Pharmacology

Course code: SLLL BMS 24 02 C 4004

Credits: 4; Total hours: 60

Course Objective: *The objective of teaching pharmacology to undergraduate students is to inculcate in them a rational and scientific basis of therapeutics.*

Course learning outcomes

Unit 1: Introduction to pharmacology

Students will have the knowledge of basic concepts of pharmacology, types of drug nomenclature, prescription drugs, criteria of selection of essential drugs and types of routes of drug administration.

Unit 2: Pharmacokinetics

Students will be able to determine the route(s) of administration, dose, latency of onset, time of peak action, duration of action and frequency of administration of a drug.

Unit 3: Pharmacodynamics

Students will be able to describe the principle and mechanism of drug action in the terms of dose-response relationship, drug potency and therapeutic efficacy.

Unit 4: Pharmacotherapy and clinical pharmacology

Students will be able to explain the various phases and types of clinical trails used in clinical studies.

Unit 5: Autonomic Nervous System and drugs

Students will be able to name cholinergic and anticholinergic drugs while explaining pharmacokinetics, pharmacodynamics and toxic effects of these drugs

Unit 6: Adrenergic System and drugs

Students will be able to name adrenergic and antiadrenergic drugs while explaining pharmacokinetics, pharmacodynamics and toxic effects of these drugs

Unit 7: Antimicrobial and anticancer drugs

Students will be able to describe various classes of antibacterial and anticancer drugs, their mechanism of action along with their pharmacokinetics, pharmacodynamics and toxicological profiles

Unit 8: NSAIDs and diuretic drugs

Students will be able to describe various classes of non-steroidal anti-inflammatory and antidiuretic drugs, their mechanism of action along with their pharmacokinetics, pharmacodynamics and toxicological profiles.

Course Content:

Unit 1: Introduction to pharmacology (5h)

Basic concepts in pharmacology, Drug nomenclature, Drug Compendia, Concept of Essential medicines, Routes of drug administration.

Unit 2: Pharmacokinetics (10h)

Transport across Biological membranes: Passive diffusion, filtration and specialized transport; Principle of absorption, bioavailability, bioequivalence, distribution, Plasma protein binding, metabolism, excretion, kinetics of elimination

Unit 3: Pharmacodynamics (7h)

Principles of drug action, Dose-response relationship, Drug potency and efficacy, Therapeutic index.

Unit 4: Pharmacotherapy and clinical pharmacology (8h)

Drug dosage, factors modifying drug action, pharmacogenomics, rational uses of medicines, Expiry date of pharmaceuticals: Clinical studies: Clinical trials, Cohort studies and case control studies.

Unit 5: Autonomic Nervous System and drugs (8h)

Mechanism in autonomic nervous system and cholinergic transmission; **Cholinoreceptors:** Muscranic receptors and Nicotinic receptors, Muscarinic and nicotinic actions; **Cholinergic drugs:** Cholinergic agonists (Pilocarpine), Anticholinesterases (physostigmine), Anticholinergic drugs (Atropine)

Unit 6: Adrenergic System and drugs (7h)

Adrenergic transmission, Adrenergic drugs (Noradrenaline, Adrenaline, Salbutamol) Antiadrenergic drugs (Atenolol)

Unit 7: Antimicrobial and anticancer drugs (8h)

General consideration, Antibacterial (tetracyclines, penicillins), antiviral (acyclovir, Zidovudine), Classification of anticancer drugs (Methotrexate, Imatinib).

Unit 8: NSAIDs and diuretic drugs (7h)

Pharmacological actions and pharmacokinetics of Aspirin. Thiazide diuretics

Reference Book:

1. Pharmacology by K.D. Tripathi, 6th Edition

Semester IV

Medical Microbiology

Course code: SLLL BMS 24 03 C 2002

Credits: 2; Total hours: 30

Course Objective: *The Medical Microbiology course has been formulated to impart basic and medically relevant information on the microbes. The pathogenic microbes and the diseases caused by them are included to broaden the perspective of the subject. This course will also focus on mechanisms of microbial pathogenesis and the host response, and the scientific approaches that are used to investigate these processes. Lastly the course deals with the problem of emerging antimicrobial resistance with reference to known pathogens.*

Course learning outcomes

Unit 1: Human Diseases Caused by Bacteria

Students will learn about pathogenic bacterial species causing the diseases to the humans like bacterial pneumonia, food poisoning, tuberculosis and their mode of acquisition/transmission, clinical symptoms, detection and prevention.

Unit 2: Human Diseases Caused by Viruses and Protozoans

Students will learn about pathogenic viruses (Corona virus, Influenza virus, Dengue, Chikunguia, HIV) and protozoans (Malaria, Leishmania, Amoebiasis) causing the diseases to the humans and their mode of acquisition/transmission, clinical symptoms, detection and prevention.

Unit 3: Chemotherapy and Antiviral Drugs

Students will learn about concepts and mechanism of chemotherapeutic agents and antiviral drugs that inhibit or kill the pathogen while harming the host as little as possible.

Unit 4: Antibacterial Drugs and Drug Resistance

Students will learn about concepts and mechanism of antibiotics that inhibit or kill the pathogen and how drugs resistance is becoming a major challenge to therapeutic treatment.

Course Content

Unit 1: Human Diseases Caused by Bacteria (5h)

Bacterial Pneumonia, Tuberculosis, Staphylococcal food poisoning, Gonorrhea (etiology, clinical symptoms, virulence factors involved, detection and prevention)

Unit 2: Human Diseases Caused by Viruses and Protozoans (10h)

Life cycle and clinical symptoms of **Respiratory Syndromes:** Coronaviruses and Human Respiratory Syncytial virus; **Acquired Immuno Deficiency Syndrome (AIDS):** HIV Virus; **Influenza (Flu):** Influenza virus A, Influenza virus B; **Arboviruses:** Dengue and chikungunya; **Protozoal Infections:** Malaria, Leishmania, Amoebiasis

Unit 3: Chemotherapy and Antiviral Drugs (5h)

Development of Chemotherapy: Contributions of Paul Ehrlich, Alexander Fleming, Howard Florey, Ernst Chain, Norman Heatley, Selman Waksman; **General Characteristics of Antimicrobial Drugs:** Selective Toxicity, Therapeutic Index, and Range of Effectiveness; **Antiviral Drugs:** General characteristics and mode of action of common antiviral drugs

Unit 4: Antibacterial Drugs and Drug Resistance (10h)

Antibacterial Drugs: Inhibitors of Cell Wall Synthesis, Protein Synthesis Inhibitors, Metabolic Antagonists, Nucleic Acid Synthesis Inhibitors, Factors Influencing Antimicrobial Drug Effectiveness; **Drug Resistance:** Mechanisms of Drug Resistance, Origin and Transmission of Drug Resistance, Overcoming Drug Resistance

Reference Books:

1. Kenneth J. Ryan, C., George Ray (2010), *Sherris Medical Microbiology: An introduction to infectious diseases*. McGraw-Hill. ISBN-13: 978-0071604024 ISBN- 10: 0071604022
2. Chan, M. J., Krieg E. C. S., Pelczar, N. R. (2004) *Microbiology* (5th ed.). McGraw Hill International. ISBN 13: 9780094623206.
3. Willey, J., Sherwood, L., Woolverton, C. (2017). *Prescott's Microbiology* (10th ed.). McGraw Hill international. ISBN 13: 9781259657573.

Semester IV

Practical

Course code: SLLL BMS 24 04 C 0042

Credits: 2; Total hours: 60

Course Objective: *The objective of course is to make students learn about the principle and applications of techniques used in cell biology and medical microbiology.*

Course learning outcomes

- students will learn to operate microscope and see different phases of cell division cycle under microscope.
- students will learn about antibiotic resistance in bacteria
- 3 students will learn about basics of tissue culture.

Course Content:

(Wherever wet lab experiments are not possible, the principles & concepts can be demonstrated through any other materials or medium including videos/ virtual labs etc.)

1. Preparation of metaphase chromosome
2. Study of Barr Body in human cheek epithelial cell
3. Demonstration of osmosis in egg
4. To study the stages of Mitosis and Meiosis from permanent slides
5. To prepare stained temporary mounts of onion peels
6. Study of cell division in onion root tip
7. Antibiotic Susceptibility Testing by Agar Disk Diffusion Method
8. Study of Antibiotic Resistance in Bacteria
9. Study of Normal Microflora of the Throat and Skin
10. Identification of staphylococcus pathogens
11. Identification of *Mycobacterium tuberculosis*
12. Techniques of Plant /Animal Tissue Culture

13. Calculating viability of bacterial cells after exposure of the bacterial culture to UVrays
14. Differential centrifugation of cell and validation of separated organelles by enzyme markers
15. Demonstration of phagocytosis/apoptosis
16. Determining the Level of Antimicrobial Activity: Dilution Susceptibility Tests, Disk Diffusion Tests, Etest

Reference Books:

1. Indian Pharmacopoeia (Latest Edition)

Semester V

Medical Genetics

Course code: SLLL BMS 35 01 C 4004

Credits: 4; Total hours: 60

Course Objective: *The aim of the course is to provide students with a comprehensive understanding of both classical and modern concepts in genetics with special emphasis on the areas of transmission genetics, molecular and chromosomal aberrations and population genetics in humans. The course will provide detailed knowledge of underlying causes and mechanisms of the genetic disease in humans.*

Course learning outcomes:

Unit 1: Introduction to Medical Genetics

After completion of the unit, students will be able to:

- Describe the scope of medical genetics.
- Describe the application of genetics to medical practices.
- Mention the types and prevalence of genetic disease in humans

Unit 2: Autosomal dominant and recessive disorders

After completion of the unit, students will be able to:

- Define the structure and function of a gene
- Focus on single-gene disorders caused by mutations on the autosomes.
- Discuss the patterns of inheritance of autosomal diseases in families, as well as factors that complicate these patterns.
- Discuss the risks of transmitting single-gene diseases to one's offspring.

Unit 3: Sex-linked and Non-traditional modes of inheritance

After completion of the unit, students will be able to:

- Describe the disease causes mutation located on sex-linked and mitochondrial genome
- Describe the mechanism of X-activation
- Discuss the patterns of inheritance of sex-linked diseases in families, as well as factors that complicate these patterns.

- Discuss genomic imprinting and their clinical consequences

Unit 4: Genetic Variation

After completion of the unit, students will be able to:

- Describe the mendalian form of inheritance in humans
- Describe various types of mutation and their clinical consequences
- Describe methods to detect and measure genetic variation
- Describe causes of genetic variation in the populations

Unit 5: Clinical Cytogenetics

After completion of the unit, students will be able to:

- Detect diseases caused by alterations in the number or structure of chromosomes.
- Describe methods and techniques of cytogenetics
- Describe the anomaly of chromosome number and structure in humans.

Unit 6: Disease-Gene identification

After completion of the unit, students will be able to:

- Describe techniques of identifying mutations by gene mapping, physical mapping and cloning

Unit 7: Biochemical Genetics

After completion of the unit, students will be able to:

- Define type of metabolic process in the human body
- Prevalence of metabolic diseases
- Explain the defects of Carbohydrate metabolism amino acid metabolism and Lipid metabolism.

Unit 8: Cancer genetics, Genetic Testing and Precision medicine

After completion of the unit, students will be able to:

- Describe the hallmarks and causes of cancer
- Describe prenatal diagnosis of genetic disorders and congenital defects.
- Discuss the impact of genomics in the field of medicines

Course Content:

Unit 1: Introduction to Medical Genetics (5h)

Importance of medical genetics, History of Genetics, Types of genetic diseases, Clinical impact of genetic disease

Unit 2: Autosomal dominant and recessive disorders (8h)

Basic concept of formal genetics: Mendel's contributions, concept of phenotype, Basic pedigree structure; **Autosomal dominant inheritance:** Characteristics of autosomal dominant inheritance, reoccurrence risks; **Autosomal recessive inheritance:** Characteristics of autosomal recessive inheritance, reoccurrence risks; **Factors affecting expression of disease causing genes:** New mutation, germline mosacism, reduced penetrance, age dependent penetrance, variable expression, locus heterogeneity, pleiotropy

Unit 3: Sex-linked and Non-traditional modes of inheritance (6h)

Sex linked inheritance: X-linked recessive inheritance, X-linked dominant inheritance, Y-linked inheritance, Sex linked and sex influenced traits, mitochondrial inheritance; **Genomic imprinting:** Prader-Willi and Angle man syndrome, Fragile X syndrome

Unit 4: Genetic Variation (10h)

Mutation: Type of mutation, molecular consequences of mutation, clinical consequence of mutation (Hemoglobin disorders: Sickle cell disease & Thalassemia), Causes of mutation, DNA repair, Mutation rates; **Detection and measurement of genetic variation:** genetic variation in ABO blood group and Rh system. Detecting variation by protein electrophoresis, brief mention of techniques for detecting variation at the DNA level; **Genetic variation in populations:** Basic concept of probability, Gene and genotypic frequencies, The Hardy-Weinberg principle, Causes of genetic variation

Unit 5: Clinical cytogenetics (7h)

Cytogenetic technology and nomenclature: Chromosome banding, Fluoresence in situ hybridization comparative genomic hybridization: **Abnormalities of chromosome number:** Polyploidy, Autosomal Aneuploidy (Trisomy 21, 18, 13); Sex chromosome aneuploidy

(Turner syndrome, Klinefelter syndrome); **Abnormalities of Chromosome structure:** Translocations, deletions, duplication, inversions.

Unit 6: Disease-Gene identification (9h)

Gene mapping: Linkage analysis, LOD Scores, Linkage analysis and Human gene map; **Physical Mapping and cloning:** Chromosome morphology, Dosage mapping using deletions and duplications, Functional versus non-functional DNA, Computer analysis of DNA sequence, Test for gene expression; **Gene mapping by association:** Genome wide association studies, Examples of well-known mendelian disease causing genes.

Unit 7: Biochemical Genetics (6h)

Prevalence of metabolic disease, inheritance of metabolic defects; **Defects of metabolic processes:** Defects of Carbohydrate metabolism (Glucose), Unclear Defects of amino acid metabolism (Phenylalanine), Defects of Lipid metabolism (Cholesterol)

Unit 8: Cancer genetics, Genetic Testing and Precision medicine (9h)

Causes of Cancer, Cancer genes, Inherited cancer gene versus somatically altered genes, Tumor suppressor genes, Oncogenes, Identification of inherited cancer-causing genes; **Prenatal diagnosis of genetic disorders congenital defects:** Amniocentesis, Chorionic Villus Sampling; **Impact of genomics:** Pharmacogenetics, Individualized drug therapy, Diagnosing and monitoring common disease

Reference Books:

1. Medical Genetics, 5th Edition, Jorde, Carey, Bamshad
2. Griffiths, A.J.F, Wessler, S. R, Carroll, S. B. and Doebley, J. (2017) *An Introduction to Genetic Analysis*, (11th ed.), W.H. Freeman & Company (New York), ISBN: 1464109486
3. Pierce, B.A. (2012) *Genetics - A Conceptual Approach*, (6h ed.), W.H. Freeman & Co. (New York), ISBN:13:978-1-4292-7606-1 / ISBN:10:1-4292-7606-1.
4. Snustad, D.P. and Simmons, M.J. (2012) *Genetics* (6th ed.), John Wiley & Sons. (Singapore), ISBN: 978-1-118-09242-2.

Semester V

Molecular Biology

Course code: SLLL BMS 35 02 C 3003

Credits: 3; Total hours: 45

Course Objective: *The objective of the course is to introduce to the students, the basic concepts of genome, DNA structure, genes, chromatin and chromosomes. It provides comprehensive understanding of DNA replication, transcription and translation processes in a way that students can apply this knowledge in understanding the life processes and develop an interest to pursue high quality research.*

Course Learning Outcome

Unit 1: Introduction to molecular biology

Students will learn about basic concept and will be able differentiate between terms, namely DNA, gene, genome and chromatin. Students will also learn the kinetics of DNA denaturation and renaturation.

Unit 2: DNA Replication

Students will learn how a molecule of DNA is replicated during cell division process. They will also learn about different models of DNA replication. Students will also of understand role of various enzymes involved in the process of DNA replication.

Unit 3: Mechanism of Transcription

Students will learn about the transcription machinery and basic difference between the transcription mechanism in prokaryotic and eukaryotic cell.

Units 4: Transcription Regulation in Prokaryotes

Students will learn gene regulation at transcription level occur in a prokaryotic cell.

Unit 5: RNA Modifications

Students will learn about modification done on mRNA (RNA splicing, RNA editing and shuffling). They will also learn the mechanism of mRNA transport.

Unit 6: Translation (Prokaryotes and Eukaryotes)

Students will learn the basic concept of genetic code. They will also understand the mechanism of how a protein is synthesized from a genetic code inside a cell.

Course Content

Unit 1: Introduction to molecular biology (8h)

Composition and structure of DNA, gene and genome; Introns and exons; Chromatin structure**:** Euchromatin, Heterochromatin, Regulation of Chromatin Structure and Nucleosome Assembly; Denaturation and renaturation kinetics of DNA, Cot curves.

Unit 2. DNA Replication (10h)

General principles of DNA replication**:** Bidirectional replication, Semiconservative, Semi-discontinuous, RNA priming; Various models of DNA replication**:** Rolling circle, D-loop (mitochondrial), Θ (theta) mode of replication, replication of linear ds-DNA, replicating the 5'end of linear chromosome; Enzyme involved in DNA replication – DNA polymerases, DNA ligase, Primase, Telomerase and other accessory proteins.

Unit 3: Mechanism of Transcription (7h)

RNA Polymerases, Transcription unit, Mechanism of Transcription in Prokaryotes and Eukaryotes, Promotor sequences and concept of abortive initiation,TBP and other transcription factors, inhibitors of transcriptions(amanitin and rifampicin)

Unit 4: Transcription Regulation in Prokaryotes (5h)

Principles of transcriptional regulation, regulation at initiation with examples from lac and trp Operons.

Unit 5: RNA Modifications (7h)

Removal of Introns, Spliceosome machinery, splicing pathways, alternative splicing, exon shuffling, RNA editing, and mRNA transport.

Unit 6: Translation (Prokaryotes and Eukaryotes) (8h)

Study of genetic code and its exception in some biological systems; Steps in protein synthesis: Ribosome structure and assembly, charging of tRNA, aminoacyl tRNA synthetases, Proteins involved in initiation, elongation and termination of polypeptides, Fidelity of translation. Inhibitors of protein synthesis; Regulation of translation**:** Translation-dependent regulation of mRNA, Protein stability.

Reference Books:

1. Nelson, D. L. and Cox, M. M (2017) *Lehninger: Principles of Biochemistry* (7thed.) W. H. Freeman & Company (New York), ISBN:13: 9781464126116 / ISBN:10-1464126119.
2. Watson, J. D., Baker, T. A., Bell, S. P., Gann, A., Levine, M. and Losick, R. (2008) Watson: Molecular Biology of the Gene (7th ed.), Cold Spring Harbor Laboratory Press, Cold spring Harbor (New York), ISBN:0-321-50781/ISBN-13:9780321762436

Semester V

Medical Biotechnology

Course code: SLLL BMS 35 03 C 3003

Credits: 3; Total hours: 45

Course Objective: *The objective of the course is to learn basics of theory and practical aspects of recombinant DNA technology and other techniques of DNA manipulation in the microorganisms and mammalian cells which can be used for the development of diagnostic kits and therapeutics interventions in biotech industry.*

Course learning outcomes

Unit 1: Foundations of DNA Technology

After completion of the unit, students will be able to:

- Describe the nature of the biochemical tools used in DNA technology and recognize why microorganisms occupy an important place in the experiments of DNA technology.
- Describe the key discoveries and experiments that formed the basis for modern DNA technology.
- Identify some of the individuals whose work laid the foundations for DNA technology.
- Recognize some important terms and concepts used in DNA technology and broaden your vocabulary of this science

Unit 2: Methods of DNA Technology

After completion of the unit, students will be able to:

- Describe how genes are isolated from cells or synthesized in the laboratory for use in DNA technology.
- List some criteria for selecting vectors to carry foreign genes and host cells to produce the protein encoded by those genes.
- Conceptualize the biochemistry involved in gene expression, understand the problems that can arise in the process, and learn how DNA technologists resolve

those problems.

- Explain the concept of the gene library, describe the process for establishing two types of gene libraries, and discuss how genes are recovered from the library.

Unit 3: Pharmaceutical products of DNA Technology

After completion of the unit, students will be able to:

- Explain how deficiencies of proteins, such as insulin, human growth hormone, and Factor VIII, contribute to ill health and how DNA technology can be used to produce these proteins.
- Appreciate some of the biochemical problems encountered in manufacturing pharmaceutical products by DNA technology and recognize how biochemists circumvent these problems.
- Discuss the synthesis and innovative uses of therapeutic drugs such as tissue plasminogen activator, interferon, and antisense molecules and summarize how they can be used to relieve disease.
- Understand the basis of vaccine activity in the body and conceptualize the role of DNA technology in the production of vaccines.

Unit IV: DNA Analysis and Diagnosis

After completion of the unit, students will be able to:

- Understand the nature of DNA probe and appreciate how it identifies a segment of target DNA.
- Summarize the biochemistry of the polymerase chain reaction and understand how it amplifies a sample of DNA.
- Explain how DNA probes and polymerase chain reaction technology can be used to detect infectious diseases such as AIDS, tuberculosis, and Lyme disease.
- Conceptualize the genetic basis for such diseases as cystic fibrosis, Duchenne's muscular dystrophy, and Huntington's disease and recognize
- How DNA analysis can make the diagnosis of genetic diseases possible.
- Give a synopsis of how certain forms of diabetes, cancer, and hearing and vision loss can be identified through DNA technology.
- Outline several instances in which DNA probes and polymerase chain reaction technology can be useful for monitoring microorganisms in the environment.

Unit V: Gene Therapy

After completion of the unit, students will be able to:

- Explain how "foreign" genes can be delivered to the cells of a patient through the intervention of retroviruses.
- Explain the effects of deficiency of adenosine deaminase and conceptualize how gene therapy can resolve that deficiency.
- Appreciate the mechanism by which gene therapy can be used to treat certain forms of cancer.
- Identify the molecular basis for cystic fibrosis and describe the uses of gene therapy to treat this disease.
- Explain several approaches to treating AIDS patients by using gene therapy.
- Name and explain several instances in which gene therapy will be useful in future years.
- Discuss the levels of review and oversight of gene therapy experiments to ensure the patient's safety and that of the public.

Unit VI: Transgenic Animals

After completion of the unit, students will be able to:

- Understand the nature of a transgenic animal and appreciate some of the technology in its development.
- Summarize the various transgenic animals that have been bred to date and indicate how each is genetically different from its unaltered counterpart.
- Explain some of the problems in adapting the methods used for laboratory animals to research in larger, barnyard animals.
- Describe a number of pharmaceutical products derived from transgenic animals and show how each is useful in medicine.
- Conceptualize how an animal can be made more resistant to infectious disease through transgenic DNA technology.
- Recognize methods by which transgenic animals can help interrupt the spread of disease in nature.
- Identify some of the major researchers who spurred the development of transgenic animals.

Course Content:

Unit 1: Foundations of DNA Technology (9h)

Tools of Genetic Engineering: Organisms as models, Microbial recombination, Restriction Enzymes, Plasmids; **Recombinant DNA experiments:** Safety issues.

Unit 2: Methods of DNA Technology (9h)

Biochemistry of gene expression: Obtaining the gene, selecting the vector, selecting the host cell, expressing the gene, collecting the gene product; **Gene Libraries:** Establishing a library, screening the gene library, cDNA Library.

Unit 3: Pharmaceutical products of DNA Technology (7h)

Introduction; **Human protein replacements:** Insulin, Human Growth hormone, Factor VIII; **Human Therapies:** Tissue plasminogen Activator, Interferon, Antisense molecules, other innovative pharmaceuticals; **Vaccines:** Hepatitis B, AIDS, traditional vaccines, DNA Vaccines.

Unit 4: DNA Analysis and Diagnosis (8h)

Methods of DNA Analysis: DNA Probes, PCR, DNA CHIP, RFLP Analysis; **Diagnosing infectious disease:** AIDS, Tuberculosis, Human Papilloma virus and other disease; **Identifying genetic disease:** Cystic fibrosis, Duchenne's muscular dysptrophy, Huntington's disease, fragile X syndrome, Retinoblastoma, Alzheimers's disease, ALS, diabetes, Cancer, obesity, parkinson's disease; **Gene Banking; DNA Matching techniques:** DNA finger printing

Unit 5: Gene Therapy (6h)

Introduction, Somatic cell therapy, Vectors in Gene Therapy; **Gene replacement therapy:** Retroviral Vectors, Adenoviral vectors, Adeno-associated viral vectors, lentiviral vectors, Challenges in viral gene therapy, nonviral vectors; **Gene-blocking therapies:** Antisense therapy, Ribozyme therapy, RNA interference

Unit 6: Transgenic Animals (6h)

Techniques of Placing DNA in mammalian cells: Microinjection; **Custom made animals:** Human mouse, oncomouse, Alzheimers mouse, knockout mouse; **Transgenic products:** Use

of animals as bioreactors, Human hemoglobins from pigs, Lactoferrin, Pharm animals, vegetable vaccines, Examples of transgenic animals, improving animals for the production of transgenic products.

Reference Books:

1. Brown, T.A. (2010) *Gene Cloning and DNA Analysis* (6th ed.), Wiley-Blackwell publishing (Oxford, UK), ISBN: 978-1-4051-8173-0.
2. Glick B.R., Pasternak, J.J. and Patten, C.L., (2010) *Molecular Biotechnology: Principles and Applications of Recombinant DNA* (4th ed.), ASM Press (Washington DC), ISBN: 978-1-55581-498-4 (HC).
3. Michael R Green and J. Sambrook (2014) *Molecular Cloning: A laboratory manual*, (4th ed.), Cold spring Harbor laboratory press (3vol.), ISBN: 978-1-936113-42-2
4. Primrose, S.B., and Twyman, (2006) *Principles of Gene Manipulation and Genomics* (7th ed.), R. M., Blackwell publishing (Oxford, UK) ISBN:13: 978-1-4051-3544-3.

Semester V

Practical

Course code: SLLL BMS 35 04 C 0042

Credits: 2; Total hours: 60

Course Objective: *The objective of course is to provide an opportunity to students for hands-on-experience to develop their laboratory skills expected of any molecular biologist working in a research lab.*

Course learning outcomes

Students will acquire knowledge about the principles and applications of latest methods used to extract, analyze, quantify and replicate nucleic acids isolated from different sources.

Course Content:

(Wherever wet lab experiments are not possible the principles & concepts can be demonstrated through any other materials or medium including videos/ virtual labs etc.)

1. Preparation of various stock solutions required for Molecular Biology Laboratory.
2. Isolation of genomic DNA from blood/ tissue.
3. Agarose gel electrophoresis for separation of DNA fragments.
4. Determination of absorption maxima of nucleic acids
5. Isolation of plasmid DNA from E. coli.
6. Transformation of E. coli cells with plasmid DNA.
7. Digestion of plasmid DNA with restriction enzymes.
8. Demonstration of Polymerase Chain Reaction (PCR) technique.
9. Karyotyping
10. Hardy-Weinberg Genetic equilibrium: Study of gene & genotype frequencies. (PTC Tasters & nontasters)
11. To test for colour blindness using Ishihara charts and calculation of allele frequencies.
12. Blood group typing using haemagglutination tests and calculation of allele frequencies.

13. To hydrolyze DNA and separate nucleotide bases by paper chromatography
14. To plot ultraviolet absorption spectrum of DNA
15. Determination of DNA concentration by A260nm DNA estimation by Diphenylamine (DPA) method
16. Determination of the melting temperature of DNA Isolation of chromosomal DNA from *E coli* cells

Suggested Textbooks

1. Green, M. R. and Sambrook, J. (2012). 4th Edition. *Molecular cloning: A laboratory manual,* New York, USA: Cold Spring Harbor Laboratory Press, ISBN-13:978-1936113422.
2. Cox, M. M. Doudna J. A. and Donnell, M. O. (2012). 1st Edition. *Molecular biology: Principles and practice.* London, UK: W H Freeman & Co Publishers, ISBN-13: 978-0-716-7998-8.
3. Karp, G. (2013). 7th Edition. *Cell and molecular biology: Concepts and experiments.* New Jersey, USA: Wiley Publishers, ISBN-13:978-1118206737

Semester VI

Immunology

Course code: SLLL BMS 36 01 C 4004

Course Credit- 4; Total hours: 60

Course Objective: *This course describes the molecular and cellular basis of the development and function of the immune system. The course will provide the basic framework in immunology that will cover the major topics including innate and adaptive immunity, antibodies and antigens, the molecular events leading to the generation of antibody, humoral and cell mediated adaptive immune response, hypersensitivity, self-tolerance, autoimmunity and vaccines.*

Course Learning Outcome

Unit 1: Introduction to immunology

Students will learn about the important contributions made by scientists in the past which led to modern immunology science. They will get the overview of different types of immunity and will learn that all branches of immunity are interconnected.

Unit 2: Immune Cells and Organs

Students will learn how different immune cells originate, mature and differentiate from single stem cell. They will also learn about the specialized functions of these immune cells in recognizing an antigen and provoking a response against them. Students will also understand the structure and function of various immune organs.

Unit 3: Antigens and antibody

Students will learn the basic difference between antigen, immunogen, hapten and adjuvant. They will learn how different antigen is processed before an immune response is generated against it. They will also come across the structure and functions of different antibodies. Students will learn convectional method of monoclonal antibody production and its clinical uses. They will also learn about major histocompatibility complex.

Units 4: Generation of Immune Response

Students will learn how an antigen is recognized by immune cell and generate humoral or cell mediated immune responses against pathogen.

Unit 5: Complement System

Students will learn about function, activation and regulation of various cytokines and other proteins in immune response

Unit 6: Immunological techniques

Students will learn various immunologic assays that will help them to measure or exploit antibody-antigen interaction in Laboratory.

Unit 7: Vaccines

Students will learn basic concept of immunization. They will also understand designing of different types of vaccines and, type of response they generate.

Unit 8: Immunological Disorders

Students will learn the consequences of dysfunctioning of immune system**.**

Course Content:

Unit 1: Introduction to immunology (4h)

Concept of Innate and Adaptive immunity, Contributions of following scientists to the development of field of immunology - Edward Jenner, Karl Landsteiner, Robert Koch, Paul Ehrlich, Elie Metchnikoff.

Unit 2: Immune Cells and Organs (7h)

Structure, Functions and Properties of: Immune Cells – Stem cell, T cell, B cell, NK cell, Macrophage, Neutrophil, Eosinophil, Basophil, Mast cell, Dendritic cell; and
Immune Organs – Bone Marrow, Thymus, Lymph Node, Spleen, GALT, MALT, SALT

Unit 3: Antigens and antibody (12h)

Characteristics of an antigen (Foreignness, Molecular size and Heterogeneity), haptens and adjuvant, Epitopes (T & B cell epitopes); T-dependent and T-independent antigens. Antigen

processing and presentation (Cytosolic and Endocytic pathways); Structure, Types, Functions and Properties of antibodies; Antigenic determinants on antibodies (Isotypic, allotypic, idiotypic); VDJ rearrangements; Hybridoma technology and Monoclonal antibodies; abzymes; Chimeric antibodies; Organization of MHC locus (Mice & Human); Structure and Functions of MHC I & II molecules;

Unit 4: Generation of Immune Response (10h)

Generation of Humoral Immune Response (B-cell maturation and differentiation); B-cell acting as antigen presenting cells. BCR and B-cell coreceptor; Cell Mediated Immune Response (Self MHC restriction, T cell activation, T-cell differentiation, Co- stimulatory signals); Killing Mechanisms by CTL and NK cells, Introduction to tolerance

Unit 5: Complement System (5h)

Components of the Complement system; Activation pathways (Classical, Alternative and Lectin pathways); Biological consequences of complement Activation

Unit 6: Immunological techniques (10h)

Immunoprecipitation, immunodiffusion, immunoagglutination, immunoelectrophoreis, radioimmuno assay, ELISA

Unit 7: Vaccines (6h)

Concept of active and passive immunization, Designing Vaccines for active Immunization; whole organism Vaccines; purified macromolecules as vaccines; recombinant vector vaccines; DNA vaccines; multivalent subunit vaccines.

Unit 8: Immunological Disorders (6h)

Types of Autoimmunity and Hypersensitivity with examples; Immunodeficiencies - Animal models (Nude and SCID mice), SCID, DiGeorge syndrome, Chediak- Higashi syndrome, Leukocyte adhesion deficiency, CGD.

Suggested Textbooks:

1. Coico, R and Sunshine, G. (2009) *Immunology: A Short Course* (6thed.), John Wiley & sons, Inc (New Jersey), ISBN: 978-0-470-08158-7.

2. Kindt, T. L., Goldsby, R. A. and Osborne, B. A. (2007) *Kuby Immunology* (6th ed.), W. H Freeman and Company (New York), ISBN:13:978-0-7167-8590-3/ ISBN:10:0-7617-8590-0
3. Murphy, K., Mowat, A., and Weaver, C. T. (2012) *Janeway's Immunobiology* (8th ed.),Garland Science (London & New York), ISBN:978-0-8153-4243-4

Semester VI

Natural Product and Heterocyclic Chemistry

Course code: SLLL BMS 36 02 C 4004

Credits: 4; Total hours: 60

Course Objective: *The objective of this course is to offer detailed knowledge about the preparation, properties, and reactions of different organic compounds based on their functional groups. This course also covers the chemistry of Polynuclear and Heteronuclear aromatic compounds and Natural Products.*

Course Learning Outcome

Unit 1: Chemistry of Organic Compounds (Part-1)

Students will be able to

- Familiarise about different types of organic compounds (Hydrocarbons, Haloalkanes & Haloarenes, Alcohols and Phenols) and their methods of preparation.
- Describe the reactions Shown by the above-mentioned organic compounds.
- Predict the products from reactions of alkenes, alkynes, alkyl halides, alcohols etc.

Unit 2: Chemistry of Organic Compounds (Part-2)

Students will be able to

- Explain the structure of various organic compounds containing functional groups such as: aldehydes, ketones, carboxylic acid, amines etc.
- Understand the reactions involved in the synthesis of above-mentioned organic compounds.
- Explain reactions shown by these organic compounds and predict the products formed.

Unit 3: Polynuclear and heteronuclear aromatic compounds

Students will be able to

- Explain the structure, mechanism of reactions of selected polynuclear aromatic compounds.
- Discuss the properties and reactions of important heterocyclic compounds.

- Understand the applications of polynuclear aromatic and heterocyclic compounds in drug synthesis.

Units 4: Chemistry of natural products

Students will be able to

- Provide an overview of the field of natural product chemistry.
- Identify different types of natural products, their occurrence, structure, biosynthesis and properties.
- Discuss the use of natural products as starting materials for medicines.

Course Content

Unit 1: Chemistry of Organic Compounds (Part-1) (15h)

Preparation, Properties and Reactions of Organic Compounds: Hydrocarbons (Alkanes, cycloalkanes, alkenes, alkynes, and dienes,); Haloalkanes and Haloarenes; Alcohols, Phenols

Unit 2: Chemistry of Organic Compounds (Part-2) (15h)

Preparation, Properties and Reactions of Organic Compounds: aromatic and aliphatic Aldehydes, Ketones; Carboxylic acids and Esters; aliphatic and aromatic amines.

Unit 3: Polynuclear and heteronuclear aromatic compounds (15h)

Structure and medicinal uses of **Polynuclear Hydrocarbons:** Naphthalene, Phenanthrene, Anthracene, Diphenylmethane, Triphenylmethane; **Heterocyclic Chemistry:** Synthesis, Properties, Reactions and Medicinal Uses of Heterocyclic Compounds: pyrrole, furan, thiophene, pyridine, pyrazole, imidazole, oxazole, thiazole, quinoline, isoquinoline, phenothiazine and acridine. Identification of Heterocyclic core in Drug molecules

Unit 4: Chemistry of natural products (15h)

Fats and Oils (Phospholipids, Glycolipids and Lipoproteins): Chemistry, hydrolysis, detergents, biosynthesis of fatty acids and steroids, acid value, iodine value and saponification value; Occurrence, extraction, and properties of **Alkaloids:** Connine, Nicotine, Atropine, Therapeutically Important alkaloids; **Terpenes:** Isoprene Rule, Classification, Isolation, Properties, Geraniol, Pinene, Camphor, **steroids,** Cholesterol, and Classification of Antibiotics

Suggested Textbooks:

1. **A textbook of organic chemistry** – Arun Bahl, B.S. Bahl, Latest Edition.
2. Morrison, R. N. & Boyd, R. N. **Organic Chemistry**, Latest Edn., Dorling Kindersley (India) Pvt. Ltd. (Pearson Education).
3. Acheson RN. **An Introduction to the Chemistry of Heterocyclic Compounds**. Inter-Sciences Publishers, New York. Latest Edition.

Reference Books:

1. J. Clayden, N. Greeves, S. Warren, **Organic Chemistry**, Latest Ed., Oxford Universitiy Press.
2. F. A. Carey, R. J. Sundberg, **Advanced Organic Chemistry**, Part A: Structure and mechanism, Kluwer Academic Publisher, Latest Edition.
3. **Heterocyclic Chemistry**, J.A. Joule and G. F. Smith, van Nostrand, London, Latest Ed.

Semester VI

Medicinal Chemistry

Course code: SLLL BMS 36 03 C 2002

Credits: 2; Total hours: 30

Course Objective: *The objective of this course is to learn the rational physiochemical approach to drug design and drug development and to appreciate the chemistry of drug action. This knowledge is of utmost importance for the understanding of how drugs function at the molecular level. The principles and fundamentals of drug design and drug action once understood; these concepts can be applied to the understanding of many classes of drugs. This basic understanding of the course can be the foundation for the future elucidation of drug action or the rational discovery of new drugs that utilize organic chemical phenomena.*

Course learning outcomes

Unit 1: Principles of drug discovery

After completing this unit, students will be able to:

- Describe drugs discovered without rational drug design
- Explain the approaches of modern rational drug design
- Explicate the principle of target-based drug design
- Rationalize steps involved in drug development
- Clarify preclinical and phases of clinical trials

Unit 2: Lead discovery

After completing this unit, students will be able to:

- Tell the sources and characteristics of lead molecules
- Explain the approaches for screening of compounds for lead discovery
- Describe the drug like properties of compounds
- Describe modern tools to conduct rational drug design.

Unit 3: Lead Modification

After completing this unit, students will be able to:

- Elucidate the structural activity relationship

- Describe the rile of functional group modification
- Identify the pharmacophore and auxophore in a given drug
- Explain structural modifications approaches to increase the potency, therapeutic index, ADME properties, oral bioavailability and membrane permeability of a candidate drug molecule.

Unit 4: Proteins and Nucleic acids as drug targets

After completing this unit, students will be able to:

- Describe the classes interactive drugs
- Explicate the mechanism of action of DNA interacting drugs.
- Explain the binding of drug to a protein, receptor and enzymes
- Describe the principle of design of agonist and antagonists.

Course Content:

Unit 1: Principles of drug discovery (10h)

Drug discovered without rational design: Discovery of penicillin & Librium, drug discovered through metabolic studies; **Modern rational drug design:** Target based drug design, overview of drug targets; **Drug development:** Preclinical development, Clinical development

Unit 2: Lead discovery (5h)

Basic concept of lead, Sources of Lead compounds, Endogenous ligands, Screening of compounds, desirable properties of compounds for screening.

Unit 3: Lead modification (10h)

Identification of pharmacophore, Functional Group Modification, Structure–Activity Relationships, Structure Modifications to Increase Potency, Therapeutic Index, and ADME Properties, Structure Modifications to Increase Oral Bioavailability and Membrane Permeability.

Unit 4: Proteins and nucleic acids as drug targets (5h)

Drug receptor interactions: general principles, important forces involved in drug receptor complex Role of confirmation in affinity, Types of drug receptors, Design of agonist and

antagonists, Concept of partial antagonism, desensitization, tolerance and dependence; **Classes of DNA interactive drugs:** Reversible DNA binders, Groove binders (netropsin), DNA intercalators (amsacrine), DNA alkylators (Mechlorethamine, Carmustine).

Reference Books:

1. Patrick G.I. (2017). 6th Edition. *Introduction to medicinal chemistry*. Oxford, UK: Oxford University Press. ISBN-13: 978-0198749691
2. Silverman, R.B. and Holladay, M.W. (2014). 3rd edition. *The organic chemistry of drug design and drug action*: San Diego, U.S.A: Elsevier, Academic press. ISBN-13: 9780123820303

Semester VI

Practical

Course code: SLLL BMS 36 04 C 0042

Credits: 2; Total hours: 60

Course Objective: *The current course focus on developing basic understanding of antibody-antigen interactions through different lab experiments. This course covers the tests for different organic functional groups, Preparation of drugs, Extraction and Separation Techniques.*

Course learning outcomes

At the end of this course, Student will be able to

- Learn antigen –antibody interactions
- Perform immunoelectrophoresis
- Perform ELISA
- Test the presence of different organic functional groups in an unknown organic sample.
- Prepare and recrystallize Phenytoin.
- Perform extraction of caffeine.
- Separate Colour pigments of Chlorophyll using TLC.

Course Content:

1. To detect antigen-antibody complex by ring-precipitin test.
2. To detect antigen-antibody complexes by single diffusion method (Ouchterlony)
3. To detect antigen-antibody complexes by double diffusion method (Mancini)
4. To examine different immune cell under a microscope
5. To detect ABO blood group type (direct agglutination).
6. To perform Widal test (antibody-antigen interaction/indirect agglutination)
7. To perform immunoelectrophoresis
8. To perform ELISA.
9. Functional group test: Amines, carboxylic acids, aldehydes, ketones, phenols, aromatic, and halogenated hydrocarbons.

10. Preparation of phenytoin and aspirin
11. Extraction of caffeine from Tea leaves and study its absorption properties.
12. Thin-Layer Chromatography of Chlorophyll a and b from Spinach

Suggested Textbooks:

1. Mann, F. G.; Saunders, B. C. (2009), **Practical Organic Chemistry**, Pearson Education
2. Ahluwalia, V.K.; Dhingra, S. (2004), **Comprehensive Practical Organic Chemistry: Qualitative Analysis**, University Press.
3. Owen, J. A. Punt, J. Stranford, S. A. Jones, P. P and Kuby, J. (2013). 7th Edition *Kuby Immunology*. New York, USA: W.H. Freeman and Company. ISBN-13: 97f8-1429219198.

Reference Books:

1. Indian Pharmacopoeia (Latest Edition)
2. Jeffery, G.H.; Bassett, J.; Mendham, J.; Denney, R.C. (Latest ed.), **Vogel's Textbook of Quantitative Chemical Analysis,** 5th Edn.**,** John Wiley and Sons Inc,
3. Furniss, B.S.; Hannaford, A.J.; Smith, P.W.G.; Tatchell, A. R. (2012), **Vogel's Textbook of Practical Organic Chemistry**, Pearson.
4. Hay, F.C. and Westwood, O.M.R. (2002). 4th Edition. *Practical Immunology*. New Jersey,USA: Blackwell Science. ISBN: 9780865429611
5. Delves, P.J. Martin, S.J. Burton, D.R. and Roitt, I. M. (2017). 13th Edition. *Roitt's Essential Immunology*. New Jersey, USA: Wiley-Blackwell Science. ISBN: 13: 978-1118415771

Skill Education Component

Semester I

Skill Qualification pack

Sector Skill Council: Life Sciences Sector Skill Development Council

Job Role: Machine Operator-Life Sciences

NSQF Level: 4

Qualification pack Code: LFS/Q0207

National Occupation Standards

1. LFS/N0213: Prepare machines and accessories for the manufacturing process
2. LFS/N0214: Perform manufacturing operations
3. LFS/N0103: Ensure cleanliness in the work area
4. LFS/N0102: carry out reporting and documentation
5. LFS/N0215: Carry out broad level quality checks before, in process and post manufacturing
6. LFS/N0101: Maintain a healthy, safe and secure working environment in the life sciences facility

Semester II

Skill Qualification pack

Sector Skill Council: Life Sciences Sector Skill Development Council

Job Role: Quality Control Chemist

NSQF Level: 5

Qualification pack Code: LFS/Q1301

National Occupation Standards

1. LFS/N0301 Perform routine analysis in lab while ensuring compliance with Good Manufacturing Practices (GMP) and Good Laboratory Practices (GLP)
2. LFS/N0101 Maintain a healthy, safe and secure working environment in the life sciences facility
3. LFS/N0302 Coordinate with Supervisors and colleagues within and outside the department
4. LFS/N0103 To ensure cleanliness in the work area
5. LFS/N0314 To carry out reporting and documentation to meet quality standards

Semester III & IV

Skill Qualification pack

Sector Skill Council: Life Sciences Sector Skill Development Council

Job Role: Licensing Manager-Life Sciences

NSQF Level: 6

Qualification pack Code: LFS/Q0609

National Occupation Standards

1. 1 LFS/N0622: Regulatory compliance and exchange of information for licensing activities
2. 2 LFS/N0613: Provide analytical support for supply chain management
3. 3 LFS/N0623: Manage, coordinate and interact with people to effectively control licensing operations
4. 4 LFS/N0102: Carry out reporting and documentation

Semester V & VI

Skill Qualification pack

Sector Skill Council: Life Sciences Sector Skill Development Council

Job Role: EHS Manager-Life Sciences

NSQF Level: 7

Qualification pack Code: LFS/Q0214

National Occupation Standards

1. LFS/N0230: Develop, implement and direct a comprehensive environment, health and safety program for the Company
2. LFS/N0231: Prepare and provide training on Environmental, Health and Safety Standards
3. LFS/N0232: Manage and co-ordinate EHS team
4. LFS/N0233: Carry out reporting and documentation as per EHS standards5. LFS/N0234: Supervise effective working of manufacturing process according to EHS standards and identifying and resolving any issues arising during the process
5. LFS/N0101: Maintain a healthy, safe and secure working environment in the life sciences facility.

Learning Outcomes-Based Curriculum Framework (LOCF)

Scheme and Syllabus of

B. Voc. (Industrial Waste Management)

(Three-Year Bachelor's Degree Programme)

w.e.f. 2022-23

DEPARTMENT of VOCATIONAL Studies and Skill Development

School of Life-long Learning

Central University of Haryana
Mahendergarh, Haryana

BACKGROUND

Considering the curricular reforms as instrumental for desired learning outcomes, all the academic departments of Central University of Haryana made a rigorous attempt to revise the curriculum of undergraduate and postgraduate programmes in alignment with National Education Policy-2020 and UGC Quality Mandate for Higher Education Institutions-2021. The process of revising the curriculum could be prompted with the adoption of "Comprehensive Roadmap for Implementation of NEP-2020" in the 32nd meeting of the Academic Council of the University held on April 23, 2021. The roadmap identified the key features of the Policy and elucidated the Action Plan with well-defined responsibilities and indicative timeline for major academic reforms.

The process of revamping the curriculum started with the series of webinars and discussions conducted by the University to orient the teachers about the key features of the Policy, enabling them to revise the curriculum in sync with the Policy. Proper orientation of the faculty about the vision and provisions of NEP-2020 made it easier for them to appreciate and incorporate the vital aspects of the Policy in the revised curriculum focused on 'creating holistic, thoughtful, creative and well-rounded individuals equipped with the key 21st century skills' for the 'development of an enlightened, socially conscious, knowledgeable, and skilled nation'.

With NEP-2020 in background, the revised curricula articulate the spirit of the policy by emphasizing upon— integrated approach to learning; innovative pedagogies and assessment strategies; multidisciplinary and cross-disciplinary education; creative and critical thinking; ethical and Constitutional values through value-based courses; 21st century capabilities across the range of disciplines through life skills, entrepreneurial and professional skills; community and constructive public engagement; social, moral and environmental awareness;

Organic Living and Global Citizenship Education (GCED); holistic, inquiry-based, discovery-based, discussion-based, and analysis-based learning; exposure to Indian knowledge system, cultural traditions and classical literature through relevant courses offering 'Knowledge of India'; fine blend of modern pedagogies with indigenous and traditional ways of learning; flexibility in course choices; student-centric participatory learning; imaginative and flexible curricular structures to enable creative combination of disciplines for study; offering multiple entry and exit points initially in undergraduate programmes; alignment of Vocational courses with the International Standard Classification of Occupations; breaking the silos of disciplines; integration of extra-curricular and curricular aspects; exploring internships with industry and businesses; closer collaborations between industry and higher education institutions for technical, vocational and science programmes; and formative assessment tools to be aligned with the learning outcomes, capabilities, and dispositions as specified for each course.

In case of UG programmes in Engineering and Vocational Studies, it was decided that the departments shall incorporate pertinent NEP recommendations while complying with AICTE, NBA, NSQF, International Standard Classification of Occupations, Sector Skill Council, Industry and other relevant agencies/sources. The University has also developed consensus on adoption of Blended Learning with 40% component of online teaching and 60% face to face classes for each programme.

The revised curricula of B.Voc Industrial Waste Management program has been devised with concerted efforts of the faculty, Heads of the Departments, Industry experts and members of skill council for Green Jobs (SCGJ). Curriculum is aligned with National Skill Qualification Framework (NSQF) and has adopted job roles corresponding to NSQF level-4 to NSQF level-7 from the skill council for Green Jobs. Job roles includes *Wastewater Treatment Plant Technician*

(NSQF Level-4), *Water Quality Testing Technician* (NSQF Level-5), *Manager-Waste Management* (NSQF Level-6) & *Plant Incharge-Wastewater treatment Plant* (NSQF Level-7).

The draft prepared by each department was discussed in series of discussion sessions conducted at Department, School and the University level. The leadership of the University has been a driving force behind the entire exercise of developing the uniform template and structure for the revised curriculum. The Vice Chancellor of the University conducted series of meetings with Heads and Deans to deliberate upon the vital parameters of the revised curriculum to formulate a uniform template. The experts of various Boards of Studies and School Boards contributed to a large extent in giving the final shape to the revised curriculum of each programme.

To ensure the implementation of curricular reforms envisioned in NEP-2020, the University has decided to implement various provisions in a phased manner. Accordingly, the curriculum may be reviewed annually.

PROGRAMME OUTCOMES

After successful completion of the programme:

PO1. Scientific knowledge: Apply the knowledge of science and industrial technology to the solution of scientific problems in the industry.

PO2. Problem analysis: Identify, formulate, research literature, and analyze complex scientific problems reaching substantiated conclusions using first principles of biological sciences, and chemical sciences.

PO3. Design/development of solutions: Design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tools usage: Create, select, and apply appropriate techniques, resources, and modern computing and IT tools including prediction and modeling to complex scientific activities with an understanding of the limitations.

PO6. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the scientific practice.

PO7. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO8. Communication: Communicate effectively on complex activities with the scientific community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO09. Project management: Demonstrate knowledge understanding of the scientific and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO10. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

PROGRAMME SPECIFIC OUTCOMES

3. Program Specific Outcomes (PSOs):

On completing B Voc. in Industrial Waste Management Programme, the students shall be able to realize following outcomes:

PSO-1 Demonstrate critical understanding of waste management practices.

PSO-2 Understand the impact of Industrial pollution in environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PSO-3 Demonstrate the knowledge of sustainable waste management technologies and formulate a plan for waste recycling and reuse.

PSO-4 Develop skills necessary for accurate sampling and analysis of environmental samples.

PSO-5 Demonstrate and understand the environmental principles and apply these to his own work.

PSO-6 Know and understand the occupational health and safety (OHS) standards and associated risks in industry.

PSO-7 Communicate effectively, being able to comprehend and write effective reports, make effective presentations, and give and receive clear instructions.

PSO-8 Understand the need of life long learning and will be able to work in teams

TEACHING LEARNING OUTCOME METHODOLOGIES

Learning based curriculum designed for various courses under B. Voc. (Industrial Waste Management) Programme aim for dissemination of up-to-date knowledge, development of student's capability to use ideas and information, and their ability to test those ideas and evidence. The courses also aim for facilitating the personal development and capacity of students to plan and manage their own learning. Instead of using traditional teaching methods, new teaching methods and pedagogical tools are required to ensure the achievement of desired learning outcomes for each of the courses. In view of the programme outcomes, following teaching methodologies will be used:

- Class room lectures;
- Use of up-to-date textbooks, other learning resources;
- Use of internet to support and explore the knowledge;
- Use of case studies;
- Practical exercises for each course to augment the learning;
- Work experience through internship and fieldwork;
- Projects;
- Demonstrations;
- Group working;
- Simulations (e.g. computer based);
- Problem solving;
- Discussion and debate;
- Role play;
- Quizzes;
- Seminar presentations;
- Class presentations;
- Tutorials;

 Examination papers

ASSESSMENT OUTCOME MEASUREMENT METHODS

Methods of measuring student learning are often characterized as summative or formative assessments:

Summative assessments: It includes case study analysis, assessment and evaluation of internship reports, project report evaluation, tests, quizzes, and other graded course activities that are used to measure the performance of learner. These assessments are cumulative and often reveal what students have learned at the end of a unit or the end of a course. Within a course, summative assessment includes the system for calculating individual student grades.

Formative assessment: It includes any means by which students receive input and guiding feedback on their relative performance to help them improve. It can be provided face-to-face in office hours, in written comments on assignments.

An array of direct and indirect methods should be used based upon the above-mentioned methodologies and assessment tools to assess the level of learning outcome(s) under each course with more weightage on 'Formative Assessment' to ensure that the learner improves during the teaching learning process. Direct measures require a learner to present or demonstrate their learning or produce work so that observers can assess how well students' work or responses fit institution-or program-level expectations of outcomes. It includes examinations, field experience, internship, lab reports, case studies, etc. as mentioned under Teaching Learning Outcome Methodologies and Summative Assessment. Through the indirect measures, the observer would be able to infer student abilities, knowledge, and values based on an analysis of reported perceptions about student mastery of outcomes using the indirect measures.

BLENDED LEARNING

B.Voc. Industrial Waste Management is focussed to provide quality skill education. Success of skill education requires direct interaction of students with the industrial experts and hands-on-industrial training. Learning at B.Voc. Industrial Waste Management program in CUH involves regular expert lectures of the industrial experts. With the online classes being the option in NEP-2020, department will be conducting online expert classes from the industry for the skill enhancement of the students.

SCHEME AND SYLLABUS

Bachelor of Vocation (B.Voc.) in

Industrial Waste Management

DEPARTMENT of VOCATIONAL Studies and Skill Development
School of Life-long Learning

Central University of Haryana
Mahendergarh, Haryana

CENTRAL UNIVERSITY OF HARYANA

Department of Vocational Studies and Skill Development

B. Voc. (INDUSTRIAL WASTE MANAGEMENT)

(Semester-wise Course Structure)

(w.e.f. July 2021)

Module Code	Name of Course	Credits (T+P)	Marks
YEAR – 1, SEMESTER – I			
GENERAL EDUCATION COMPONENT			
SLLL IWM 1101C 4004	Introductory Biology	**4** (4+0)	100
IWM-102	Concepts in Chemistry	**4** (4+0)	100
IWM-103	English Communication	**2** (2+0)	50
IWM-104	Practical	**2** (0+2)	50
	TOTAL	**12**	300
SKILL COMPONENT			
NSQF level 4 Job role "Wastewater Treatment Plant Technician"		**18**	
YEAR – 1, SEMESTER – II			
GENERAL EDUCATION COMPONENT			
IWM-201	Instrumentation Techniques-I	**4** (4+0)	100
IWM-202	Environmental Science	**4** (4+0)	100
IWM-203	Environmental Pollution	**2** (2+0)	50
IWM-204	Practical	**2** (0+2)	50
		12	300
SKILL COMPONENT			
NSQF level 5 Job role "Water Quality Testing Technician"		**18**	----------
YEAR – 2, SEMESTER – III			
GENERAL EDUCATION COMPONENT			
IWM-301	Environmental Chemistry	**4** (4+0)	100
IWM-302	Fundamentals of Mathematics and Statistics	**2** (2+0)	50
IWM-303	Microbiology	**4** (4+0)	100

IWM-304	Practical	**2** (0+2)	50
	TOTAL	**12**	300
SKILL COMPONENT			
NSQF level 6 Job role "Manager-Waste Management"		**18**	**----------**
YEAR – 2, SEMESTER – IV			
GENERAL EDUCATION COMPONENT			
IWM-401	Bioprocessing and Utilization of Agricultural Wastes	**2** (2+0)	50
IWM-402	Solid Waste Management	**4** (4+0)	100
IWM-403	Pollution Control and Management	**4** (4+0)	100
IWM-404	Practical	**2** (0+2)	50
	TOTAL	**12**	300
SKILL COMPONENT			
NSQF level 6 Job role "Manager-Waste Management"		**18**	**----------**
YEAR – 3, SEMESTER – V			
GENERAL EDUCATION COMPONENT			
IWM-501	Industrial Health and Safety	**2** (2+0)	50
IWM-502	Wastewater Management	**4** (4+0)	100
IWM-503	Instrumentation Techniques-II	**4** (4+0)	100
IWM-504	Practical	**2** (0+2)	50
	TOTAL	**12**	300
SKILL COMPONENT			
NSQF level 7 Job role "Plant In-charge (Wastewater Treatment Plant)"		**18**	**----------**
YEAR – 3, SEMESTER – VI			
GENERAL EDUCATION COMPONENT			
IWM-601	Air and Soil Pollution Management	**2** (2+0)	50
IWM-602	Environmental Policies and Laws	**4** (4+0)	100
IWM-603	Hazardous, Radioactive and E-waste Management	**4** (4+0)	100
IWM-604	Practical	**2** (0+2)	50

	TOTAL	**12**	300
SKILL COMPONENT			
NSQF level 7 Job role "Plant In-charge (Wastewater Treatment Plant)"		**18**	**----------**

SEMESTER-I

Program Name: B. Voc.-Industrial Waste Management

Course Code: IWM 101	**Course Name:** Introductory Biology	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**1st year** **1st Semester**	**Contact hours per week:** (4Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic Biology	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO101.1	Chemical basis of origin of life and experiments for supporting that idea, Theories of evolution and human evolution and importance of Biology.
CO101.2	Huge diversity of life animal forms existing on the earth ranging from the simplest, smallest protozoan to the highly complex and largest aquatic or land vertebrates, interaction between organisms and classification, life history of parasites.
CO101.3	Structure and purposes of basic components of prokaryotic and eukaryotic cell, biological significance of major classes of molecules found in living organisms.
CO101.4	Understand the structure of ATP, Various ways in which enzymes increase the rate of biological reactions, This course also deals with various process of plants like photosynthesis, respiration etc.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**Cos**
1	**Introduction to life** The living world: Life and living systems, Themes in the study of biology; Importance of biology in everyday life, The early earth, characteristics of life, origin of life (3 hypothesis), Evolution: Theory of evolution, evidences, Fossils and human evolution.	**15**	**CO101.1**
2	**Classification of life** Biological classification: Prokaryotes, Eukaryotes, Archaeabacteria, Viruses- animal viruses and microbial virus (bacteriophage), viroids and lichens; Five kingdoms- Monera, Protista, Fungi, plantae and animalia Structure and life history of parasites as illustrated by amoeba, Entamoeba, Plasmodium; General structure and life history of insects like mosquito, mite and silk worm	**20**	**CO101.2**
3	**Cell and biomolecules** A living cell; Cell - the unit of life. Origin of cell, Cell cycle and cell division, stages of mitosis and meiosis, and their significance. Structure and function of biomolecules: Water, Carbohydrates, Lipids, Proteins, Nucleic acids, Enzymes and cofactors, Factors affecting enzyme activity, (pH, temperature).	**15**	**CO101.3**
4	**Energy metabolism** Grouping of organisms based on energy need and mineral nutrition; Biochemical pathway-Oxidation, reduction reactions, NAD*, Free energy, ATP, Fermentation, Respiration, Osmotic potential in plants.	**10**	**CO101.4**

	(Aerobic/Anaerobic), Glycolysis, Enzyme activity; Photosynthesis		

Text Books:

1. Dhami P.S. Chopra G. Srivastava H.N."A textbook of Biology" , 2012
2. Verma P.S. Aggarwal V.K. "Cytology, Biomolecules and molecular Biology"
3. Bhatia K.N. Tyagi M.P. "Trueman's elementary Biology", A trueman publication.
3. Pandey S.N. Mishra S.P. Trivedi P.S.A text book of botany, Vikas publishing house.

Reference Books:

1. Chand S. Verma P.S. Pandey B.P. Chand S. Publishing.
2. Daniel Garber Steven, Wiley John and sons Inc.A self teaching guide Biology.
3. Sangve K.B. Wagh G.A. Kulkarni D.S.Kasar C.R. Laharia R.R .Cell and development Biology.
4. Bhutani S.P. Ane books pvt ltd, Chemistry of Biomolecules.
5. Partidas Carlos, The origin of life: A new evolutionary theory

Course Code: IWM 102	**Course Name:** Concepts in Chemistry	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**Ist year** **IstSemester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	General Chemistry	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO102.1	Explain the concept of periodic properties such as electron affinity, electronegativity and ionization energy.
CO102.2	Explain the terms ligand, denticity of ligands, chelate, coordination number and use Valence Bond Theory to predict the structure and magnetic properties of metal complexes.
CO102.3	Understand the three laws of thermodynamics, concept of enthalpy, entropy and learn the kinetic aspects of chemical reactions and reaction equilibria.
CO102.4	Understand Electrophiles, nucleophiles, free radicals and intermediates along the reaction pathways.
CO102.5	Learn and identify many organic reaction mechanisms including Nucleophilic substitution, Electrophilic addition and Free radical substitution and understand formation, properties of alcohols, ketones and alkyl halides.
CO102.6	Evaluate the titrations of acid-base mixtures and generate the titration curves for strong acids and bases.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**Cos**
1	Periodic Properties: position of elements in the periodic table, Atomic and ionic radii, ionization electron affinity and. electronegativity definition, trends in periodic table and applications in predicting chemical behavior. Introduction and IUPAC nomenclature of coordination compounds isomerism in coordination compounds, stereochemistry of complexes with 4 and 6 coordination numbers, Werner's coordination orbital theory, Valence bond theory,	**15**	**CO102.1 CO102.2**

	(inner and outer orbital complexes), electroneutrality principle and back bonding, chelate effect		
2	Thermodynamics: First law, second law and third law of thermodynamics, concept of enthalpy, entropy, Hess's law; Gibbs free energy, Chemical potential: van't hoff reaction isotherm, van't Hoff Equation; chemical Kinetics: zero, first and second order reactions, complex reactions Catalysis: Types of catalysis, theory and applications of homogeneous and heterogeneous catalysis, biocatalysis, phase transfer catalysis, transition metal and organocatalysis; Chemical equilibrium-Reversible reactions, law of mass action, equilibrium constant, factors influence equilibrium states, relation between Kp and Kc, Ionic Equilibrium-Acids, bases, pH scale	**17**	**CO102.3**
3	Introduction common names and IUPAC names of organic compounds, inductive effect, mesomeric effect and electromeric effect, formation, structure and stability of reactive carbon species - carbonium ion, carbanion, free radical and carbenes, electrophiles and nucleophiles organic reactions and their mechanisms, addition, substitution and elimination reactions, Chemistry of alcohols, amines aldehydes, ketones, halides, structure, preparation and properties	**15**	**CO102.4 CO102.5**
4	Analytical chemistry: Significant figures, Accuracy & precision, methods of expressing concentration- normality, molarity, molality, w/w, v/v, ppm and interconversions, primary and secondary standards, Titrimetric analysis acid base, non-aqueous, complexometric and redox titrations, gravimetry and separation techniques, indicators, buffer solutions. buffer equations and buffer capacity in general	**13**	**CO102.6**

Text Books:

1. Puri; Sharma;Pathania, Principles of Physical Chemistry, 47th Edition, Vishal Publishing Co.
2. Puri;Sharma; Kalia, Principles of Inorganic Chemistry, 33rd Edition, Vishal Publishing Co.
3. Vasishta S.L.(2010); Organic Chemistry, R Chand & CO.

Reference Books:

1. Kapoor, K.L.(2015),A Textbook of Physical Chemistry,Vol 2, 6th Edition, McGraw Hill Education.
2. Morrison, R. N.; Boyd, R. N. Organic Chemistry, Dorling Kindersley (India) Pvt. Ltd. (Pearson Education).
3. Chandra, R. ; Singh, S.; Singh, A. (2019), Organic reactions and their nomenclature, Arcler Press.
4. Ahluwalia, V.K.; Bhagat, P.; Aggarwal, R.; Chandra, R. (2005), Intermediate for Organic Synthesis, I.K.International.
5. Solomons, T. W. G.; Fryhle, C. B. ; Snyder, S. A. (2016),Organic Chemistry, 12th Edition, Wiley.
6. Atkins, P.W.; Paula, J.de. (2014),Atkin's Physical Chemistry Ed., 10th Edition, Oxford University Press.

7. Huheey, J.E.; Keiter, E.A.; Keiter; R. L.; Medhi, O.K. (2009),Inorganic Chemistry-Principles of Structure and Reactivity, Pearson Education.
8. Christian, G.D.(2004),Analytical Chemistry, 6th Edition, John Wiley & Sons, New York.
9. Laidler K.J. (2003),Chemical Kinetics, 3rd Edition,Pearson Education India.
10. Khopkar, S.M. (2008), Basic Concepts of Analytical Chemistry, New Age International Publisher.
11. Lee, J.D.; (2010),Concise Inorganic Chemistry, Wiley India
12. Bruice, P. Y. (2017),Organic Chemistry, 8th Edition, Pearson.
13. Miessler, G.L.; Fischer P.J.; Tarr, D. A. (2014),Inorganic Chemistry, 5th Edition, Pearson.

Course Code: IWM 103	**Course Name:** English communication	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**1st year** **1st Semester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic communication skills	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO103.1	Developing intellectual, personal and professional abilities through effective communication skills, ensuring high standards of behavioral attitude through literacy subjects and shaping the students' socially responsible skills.
CO103.2	Understand the role of communication in personal and professional success, Develop awareness of appropriate communication strategies.
CO103.3	Recognize and comprehend different varieties of English language and develop a writing style of their own, Becoming an active listener, Recognize signal words and phrases that introduce organizational structures within lectures , and new concepts of vocabulary.
CO103.4	Understand the purpose of interviews, Be aware of the processes involved in different types of interviews, and Know how to prepare for an interview, Be clear about the importance of self-presentation.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**Cos**
1	**Communication Skills**: Introduction, Definition, The importance of communication, The communication process - Source, Message, Encoding, Channel, Decoding, context' Receiver, Feedback, Barriers to communication: Physiological barriers, physical barriers, cultural barriers. Language barriers, Gender barriers, Interpersonal barriers, psychological barriers, Emotional barriers, Perspectives in communication: Introduction, Visual perception, Language, other factors affecting our perspective - Past experiences, Prejudices, Feelings and Environment.	**8**	**CO103.1**
2	**Elements of Communication**: Introduction, Face to face communication - Tone of voice, Body language (Nonverbal communication), Verbal communication, physical communication. Communication Styles: Introduction, The communication styles	**8**	**CO103.2**

	matrix with examples. For each Direct communication style, Spirited communication style, Systematic communication style, Considerate communication style.		
3	**Basic Listening Skills:** Introduction, Self-awareness, Active listening, Becoming an active Listener, Listening in difficult situations. Effective written communication: Introduction, when and when Not to use written communication - complexity of the topic, amount of discussion required, Shades of meaning, formal communication. Writing effectively subject lines. put the main point first, Know your audience, organization of the message.	**8**	**CO103.3**
4	Interview Skills: Purpose of an interview, Do's and Don't's of an interview. Giving presentations: Dealing with fears, Planning your presentation, Structuring your presentation, Delivering your presentation, Techniques of delivery. Group discussion: Introduction, communication skills in group discussion, Do's and Don'ts of group discussion. Correspondence: personal, official and business. report writing, drafting an email, writing of c.v.	**6**	**CO103.4**

Text Books:

1. Interview skills and Group discussion **,** Praveen Joe I.R. Laxmi Publication.
2. Group discussion , job interview skill, Nitin Sharma, Unicorn books pvt Ltd.
3. Adair , John effective communication, London : Pan Macmillan Ltd.
4. Basic communication skills , SonuMarwah.

Reference Books:

1. Personality development and communication skills, Dr. S.S. Narula, Taxmann publications pvt ltd.
2. Listening skills, Master the art of listening and communication skills, Michele Gilbert.
3. Communication skills, Sanjay kumar, Pushplata, Oxford University Press.
4. Active listening, the forgotten skill, Corbison, Nitor publication.

Course Code: IWM 104	**Course Name:** Practical	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**1stYear 1st Semester**	**Contact hours per week:** (2 Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic practical of Biology and Chemistry	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO104.1	Design and carry out scientific experiments as well as accurately record and analyze the result of such experiments.
CO104.2	Explore new areas of research in chemistry and allied fields of science and technology.
CO104.3	Describe different quantitative methods of analysis of organic and inorganic substances.
CO104.4	Gain knowledge about titration method, identification of biomolecules, and preparation of buffers.
CO104.5	Study the pattern and distribution of stomata on leaf surfaces

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	Cos
1	Calibration of volumetric glassware, Pipette, Burette and Volumetric flask.	**3**	**CO104.1**
2	Preparation of Standard solutions and Buffers	**3**	**CO104.1**
3	Determination of pKa value of acids	**3**	**CO104.1 CO104.2**
4	Simple volumetric redox titrations	**3**	**CO104.1 CO104.2**
5	To learn principles of fixation and staining	**3**	**CO104.1**
6	Identification of permanent slides (cell organelles, DNA etc.), Slides of life cycle of Plasmodium and amoeba	**3**	**CO104.1 CO104.5**
7	To study the pattern and distribution of stomata in both the upper and lower leaf surfaces	**3**	**CO104.5**
8	Qualitative test for identification of carbohydrates, amino acids, lipids and DNA	**3**	**CO104.1 CO104.4**
9	Preparation of chelated complexes	**3**	**CO104.1 CO104.2**
10	Adsorption of acetic acid on charcoal	**3**	**CO104.1 CO104.2**

Books :

1. Usharani S. Analytical chemistry "Techniques and Instrumentation," First Edition, Laxmi Publications, 2019.
2. Christian, G.D.(2004),Analytical Chemistry, 6th Edition, John Wiley & Sons, New York.
3. Jeffery, G.H.; Bassett, J.; Mendham, J.; Denney, R.C. (1989),Vogel's Textbook of Quantitative Chemical Analysis, John Wiley and Sons.
4. Furniss, B.S.; Hannaford, A.J.; Smith, P.W.G.; Tatchell, A.R.(2012),Vogel's Textbook of Practical Organic Chemistry, Pearson.
5. Sachdeva Monika, Dholpuria,R.; Remedial Biology, Nirali publications.
6. Kumar, A.; Garg, S.; Garg, N. (2012), Biochemical Tests: Principles and Protocols.Viva Books.
7. Aggarwal V.P. Maheshwari S.C. Lab manual Biology, Arya publications.
8. Chandra Arun Sahu, Essentials of biomolecules and Cell Biology Kalyani publications.

SEMESTER-II

Course Code: IWM 201	**Course Name:** Instrumentation and techniques-1	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**Ist year** **IInd Semester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course		**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO201.1	Define principles and concepts of air and water sampling
CO201.2	Discuss and select appropriate methods of sterilization
CO201.3	Learn basic knowledge about calibration and working of analytical instruments
CO201.4	Understand different concepts and relative strength of acids and bases
CO201.5	Learn basic instrumentation and applications of UV-VIS spectrophotometer.
CO201.6	Explain theoretical principles of microscopy.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**Cos**
1	**Sample collection method:** Defining the problem and designing of analytical methods; Sampling: Types and methods for collection of Air, water analysis; Sample storage; Sample preparation, preservation, measurement and assessing of data; Good laboratory practices.	**13**	**CO201.1**
2	**Distillation and Sterilization Techniques:** Chemistry of water, physical properties, the process of distillation of water. Heat sterilization, Autoclave, Oven, Filter sterilization, UV sterilization, incubators.	**17**	**CO201.2**
3	**Preparation of solutions:** Nature of acids and bases, strong and weak acids, dissociation constant, pKa of an acid and its determination, concept of buffers, buffering capacity, preparation of buffer, measurement of pH. Working of pH meter. Use of balances, pH -meter, Conductivity meter, TDS meter, DO meter, Salinity meter and Ion selective meters.	**16**	**CO201.3 CO201.4**
4	**Basic Microscopy and Spectroscopy:** Optical Microscopy (Light, Bright field, Darkfield, Phase Contrast, Fluorescence, Confocal); Principle, working and applications of UV-visible spectrophotometer.	**14**	**CO201.5 CO201.6**

Text Books:

1. Yuncong Li, Kati Migliaccio,;(2019) "Water Quality Concepts, Sampling, and Analyses",Ist Edition CRC Press, .
2. Khosla, B.D.; Garg, V.C.; Gulati, A. (2015),Senior Practical Physical Chemistry, R. Chand & Co, New Delhi.
3. Murphy Douglas, B.;Davidson Michael.W. 2012) Fundamentals of Light Microscopy and Electron Imaging, 2nd Edition, Wiley-Blackwell.
4. Usharani,S.; (2019) Analytical chemistry "Techniques and Instrumentation," First Edition, Laxmi Publications.

Reference Books:

1. Willard, H.H.(1988),Instrumental Methods of Analysis, 7th Edition, Wadsworth Publishing Company.
2. Khopkar, S.M. (2008), Basic Concepts of Analytical Chemistry, New Age International Publisher.
3. Thomas, M. (1996) "Ultraviolet and Visible Spectroscopy",2nd Edition, Wiley..
4. Cappuccino, James G, (2014) "Microbiology A Laboratory Manual", 10th Edition, Pearson India, .
5. Timothy J. Sullivan, Alan T. Herlihy, James R. Webb.(2014) "Air Pollution and Freshwater Ecosystems Sampling, Analysis, and Quality Assurance", First Edition, CRC Press.
6. Skoog, D.A.; Holler F.J.; Nieman, T.A. (2005), Principles of Instrumental Analysis, Thomson Asia Pvt. Ltd.
7. Christian, G.D.(2004),Analytical Chemistry, 6th Edition, John Wiley & Sons, New York.

Course Code: IWM-202	**Course Name:** Environmental Sciences	**L**	**T**	**P**	**C**
		4	**-**	**-**	**0**
Year and Semester	**I year** **II nd Semester**	**Contact hours per week:** (4 Hrs) **Exam:** (3hrs.)			
Pre-requisite of course	Basic knowledge of Environment	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO308.1	Understand the relationship between humans and their environment, predict the consequences of human actions on the environment, global economy and quality of human life.
CO308.2	Gain in-depth knowledge on natural processes that sustain life.
CO308.3	Develop critical thinking for environmental protection and conservation of biodiversity, social equity and sustainable development.
CO308.4	Acquire values and attitudes towards understanding complex environmental-socioeconomical challenges, knowledge of pollution and environmental degradation.
CO308.5	Understand the fundamental concepts of various ecosystems.
CO308.6	Adopt sustainability as a practice in life, society and industry.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs**	**COs**
1	**Introduction to environmental studies** Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere. Scope and importance; Concept of sustainability and sustainable development. (2 Lectures)	**8**	**CO308.1, CO308.5**

	Ecosystems What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chain, food web and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) (6 Lectures)		
2	**Natural Resources:** Renewable and Non-renewable Resources Land Resources and land use change; Land degradation, soil erosion and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Heating of earth and circulation of air; air mass formation and precipitation. Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies. (8 Lectures) **Biodiversity and Conservation** Levels of biological diversity :genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns and global biodiversity hot Spots. India as a mega-biodiversity nation; Endangered and endemic species of India. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value. (8 Lectures)	**16**	**CO308.2, CO308.3**
3	**Environmental Pollution** Environmental pollution : types, causes, effects and controls; Air, water, soil, chemical and noise pollution Nuclear hazards and human health risks Solid waste management: Control measures of urban and industrial waste. Pollution case studies. (8 Lectures) **Environmental Policies & Practices** Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. Environment Laws : Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife	**15**	**CO308.3, CO308.4**

	Protection Act; Forest Conservation Act; International agreements; Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC). Nature reserves, tribal population and rights, and human, wildlife conflicts in Indian context. (7 Lectures)		
4	**Human Communities and the Environment** Human population and growth: Impacts on environment, human health and welfares. Carbon foot-print. Resettlement and rehabilitation of project affected persons; case studies. Disaster management: floods, earthquakes, cyclones and landslides. Environmental movements: Chipko, Silent valley, Bishnios of Rajasthan. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi, Swachh Bharat Abhiyan). (6 Lectures) **Field work** Visit to an area to document environmental assets; river/forest/flora/fauna, etc. Visit to a local polluted site Urban/Rural/Industrial/Agricultural. Study of common plants, insects, birds and basic principles of identification. Study of simple ecosystems-pond, river, ridge, etc. (5 Lectures)	**11**	**CO308.1, CO308.6**

Text Books:

1. Basu, M., Xavier, S. (2016). Fundamentals of Environmental Studies, Cambridge University Press, India
2. Bharucha, E. (2013). Textbook of Environmental Studies for Undergraduate Courses. Universities Press.
3. De, A.K., (2006). Environmental Chemistry, 6th Edition, New Age International, New Delhi.
4. Masters, G. M., &Ela, W. P. (1991).Introduction to environmental engineering and science. Englewood Cliffs, NJ: Prentice Hall.
5. Kaushik A. and Kaushik C.P., (2011) Perspectives in Environmental Studies, New age International Publishers, New Delhi, India.

Reference Books:

1. Carson, R. *2002. Silent Spring.* Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R.1993. This *Fissured Land:* An Ecological History of India Univ. of California Press.
3. Gleick, P.H. 1993. Water in *Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.

4. Groom, Martha J. Gary K. Meffe, and Carl Ronald carroll. *Principles of Conservation Biology.* Sunderland: Sinauer Associates, 2006.
5. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. Science, 339: 36-37.
6. McCully, P.1996. *Rivers no more: the environmental effects of dams* (pp. 29-64). Zed Books.
7. McNeil, John R. 2000. Something New Under the Sun: An Environmental History of the Twentieth Century.
8. Odum, E.P., Odum, h.T. & Andrews, J.1971. *Fundamentals of Ecology.* Philadelphia: Saunders. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. Environmental and Pollution Science. Academic Press.
9. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment.* Oxford and IBH Publishing Co. Pvt. Ltd.
10. Raven, P.H., Hassenzahl, D.M. & Berg, L R. 2012. *Environment.* 8th edition. John Wiley & Sons.
11. Rosencranz, A., Divan, S., & Noble, M.L. 2001. *Environmental law and policy in India.* Tripathi 1992.
12. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation.* S. Chand Publishing, New Delhi.
13. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voice from the Tropics.* John Wiley & Sons.
14. Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent.*
15. Wilson, E.O. 2006. *The Creation: An appeal to save life on earth.* New York: Norton.

Course Code: IWM 203	**Course Name: Environmental pollution**	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**Ist year 2ndSemester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Environment pollution	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:

CO203.1	Identify and understand the sources of water pollution, control measures and effects on water bodies and discharge standards of water pollution. Case study of thermal and marine pollution
CO203.2	Distinguish the common sources of soil pollution, effects of pesticides, heavy metals, waste disposal, industrial effluents and surfactants of soil. Understand the concept of soil analysis by chemical methods
CO203.3	Understand the harmful effects of air pollution, characteristics of air pollutants, meteorological aspects of air pollutant dispersion, air quality index and criteria pollutants
CO203.4	Able to understand sources, effects and control measure of noise pollution, National ambient air quality standards
CO203.5	Develop an understanding on radioactive pollution, sources and control measures and case studies of radioactive pollution

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**Cos**

1	**Water Pollution:** Definition, Sources, effects and control measures of water pollution, characteristics of domestic industrial and agricultural wastes, their effects on water bodies, Eutrophication, water quality parameters (WHO, BIS and MINAS), criteria and standards, Marine pollution: thermal pollution and case studies.	**6**	**CO203.1**
2	**Soil Pollution:** Definition, sources and effect. Soil pollution from use of fertilizers, pesticides, heavy metals, waste disposal, industrial effluents and surfactants. Remedial measures for soil pollution, soil sediments as pollutant. chemical methods of soil analysis- sample preparation and soil analysis.	**8**	**CO203.2**
3	**Air Pollution:** Definition, Sources, classification and properties of air pollutants, behavior and fate of air pollutants, effects of air pollution on human health & materials, meteorological aspects of air pollutant dispersion, air quality index, criteria pollutants and case studies.	**7**	**CO203.3**
4	**Noise and Radioactive pollution:** Definition, major sources' effects and control measures of noise pollution. National ambient air quality standards for noise in different zones, Sound level meter. Radioactive pollution: types of radiations, major sources effects and control measures of radiation pollution, E-wastes and e- goods as pollutants, case studies.	**9**	**CO203.4 CO203.5**

Text Books:

1. Introduction to environmental engineering and science ,Gilbert M. Masters / Wendell P. Ela, Pearson Education India.
2. Environmental pollution control engineering, C.S. Rao, New age international publishers.
3. Environmental pollution, Principles analysis and control, P. Narayan, CBS Publications.
4. Environmental chemistry and pollution control, Dr. S.S. Dara, Dr. D.D. Mishra, S. Chand and publication.

Reference Books:

5. Environmental chemistry, A.K. De, New age publisher international pvt ltd.
6. Environmental chemistry, Stanley E. Manahan, New age international publishers.
7. Water , Air and soil pollution , An international journal of environmental pollution.
8. Nuclear and thermal pollution , Dr. AaradhanaSalpekar, Dr. Gurusamy Gandhi, Jnanada Prakashan.

Course Code: IWM 204	**Course Name:** Practical	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**Ist year** **II Semester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic practical knowledge	**Evaluation**			
		CIE: 50	**TEE: 50**		
Course Outcomes: On completion of the course, student would be able to:					
CO204.1	Describe basic principles of spectrophotometry.				
CO204.2	Measure pH and electrical conductivity of unknown samples				
CO204.3	Identify the various ways of sterilization techniques				

CO204.4	Know the functions of the different parts of a cell, the differences between animal and plant cells and the chemical reactions within cells.
CO204.5	Learn collection methods of waste samples
CO204.6	Determine water holding capacity of a given soil profile.

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	Cos
1	Working, standardization of Spectrophotometer and plotting calibration curve for water samples.	**4**	**CO204.1**
2	To determine the lambda max of an unknown solution and verification of Beer's law	**4**	**CO204.1**
3	Methods for the collection of waste and soil samples.	**2**	**C0204.5**
4	Determination of pH and Temperature of soil and water samples.	**4**	**CO204.2**
5	Determination of Electrical Conductivity (EC) of soil and water samples.	**4**	**CO204.2**
6	Determination of salinity in soil and water samples.	**2**	**C0204.6**
7	Determination of Moisture content and water holding capacity of soil.	**4**	**C0204.6**
8	Use of microscope: study of plant and animal cells.	**2**	**C0204.4**
9	Study of various sterilization techniques	**2**	**C0204.3**

Books:

1. Yuncong Li, Kati Migliaccio, "Water Quality Concepts, Sampling, and Analyses", CRC Press, 2019.
2. Usharani, S.(2019),; Analytical chemistry "Techniques and Instrumentation," First Edition, Laxmi Publications.
3. Michael Thomas,(1996) "Ultraviolet and Visible Spectroscopy", 2nd Edition, Wiley.
4. Khosla, B.D.; Garg, V.C.; Gulati, A. (2015),Senior Practical Physical Chemistry, R. Chand & Co, New Delhi.
5. Kanwaljit Kaur, "Handbook of Water and Wastewater Analysis", Atlantic; Edition (1 January 2007).
6. Cappuccino, James G,(2014), "Microbiology A Laboratory Manual", 10th Edition, Pearson India.

SEMESTER-III

Course Code: IWM 301	**Course Name:** Environmental Chemistry	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**2nd year** **3rd Semester**	**Contact hours per week:** (4 Hrs.) **Exam: (3hrs.)**			

Pre-requisite of course	General chemistry	Evaluation	
		CIE: 50	TEE: 50
Course Outcomes: On completion of the course, student would be able to:			
CO301.1	Develop understanding on the chemistry of the lithosphere, hydrosphere and atmosphere.		
CO301.2	Focus on different methods to understand the functioning of atmospheric processes and air pollution chemistry.		
CO301.3	Know about different water pollutants and determination of BOD, COD and DO in water.		
CO301.4	Gain knowledge on fundamental principles of soil science, the processes of soil development and the criteria of soil classifications and soil characteristics.		
CO301.5	Gain understanding on the chemistry of different types of pollutants in the environment.		

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	Cos
1	**Atmospheric Chemistry** Chemical composition of atmosphere, the changing global atmosphere, gaseous transformation in the atmosphere and removal mechanisms, residence-time, acid-rain, ozone layer depletion Nuclear winter, Atmospheric photochemical reactions: Monoatomic oxygen and ozone formation, role of nitrogen in photo oxidation, hydrocarbons in atmospheric photo-chemistry, oxidants in photochemical smog. Hydrocarbon reactivity. Radioactivity in the atmosphere and air pollution chemistry.	**18**	**CO301.1, CO301.2**
2	**Water Chemistry** Solubility products, Solubility of gases in water, carbonate system in carbon-dioxide in water, pH, alkalinity, Nitrates, Sulphates, Phosphates, BOD, COD, DO determinations, Water pollution due to Heavy metals, organic pollutants, pesticides and radionuclide.	**15**	**CO301.1, CO301.3**
3	**Soil Chemistry** Physio-chemical composition of soil, humus, inorganic and organic components of soil, nutrients (NPK) in soil, significance of C:N .ratio, cation exchange capacity (CEC), Reactions in soil solution, Ion exchange (Physiosorption, Ligand exchange (chemosorption), Complexations, Chelation, Precipitation / dissolution. Environmental geochemistry: concept of major, trace and REE. Classification of trace elements and mobility of trace elements.	**15**	**CO301.2, CO301.4**
4	Chemistry of waste substances: Nature and types of various wastes such as mining, industrial, agricultural, municipal, biomedical and radioactive wastes. chemistry of toxic inorganic and organic compounds in the environment and their interactions with the living system.	**12**	**CO301.5**

Text Books:

1. DE Anil K (2019), "Environmental Chemistry", 9th Edition, New Age International (P) Ltd. Publishers.
2. Masters Gilbert M. and Ela P. Wendell (2019), "Introduction to Environmental Engineering and Science", 10th Edition, Pearson Publications.

3. Dara S.S. and Mishr D.D.(2004),"A textbook of Environmental Chemistry and Pollution control", 7th edition, S.Chand and company.
4. Pani, B. (2007), "Textbook of Environmental Chemistry", IK international Publishing House
5. Manhan Stanley E. (2008)," Fundamentals of Environmental Chemistry", 3rd Edition, Lewis Publishers.

Reference Books:

1. Stumm W. and Morgan J.J. (2012), "Aquatic Chemistry: Chemical Equilibria and Rates in Natural Waters", John Wiley & Sons.
2. Williams, I. (2001)," Environmental Chemistry –a modular approach", Willey John & Sons.
3. Sawyer, C.N., McCarty, P.L., Perkin, G.F. (2017), "Chemistry for Environmental Engineering and Science", 5th Edition, McGraw-Hill India.
4. Benefield D. L., Judkins F. J., Weand L. B. (1982), "Process Chemistry for Water and Wastewater Treatment", 1st Edition, Prentice Hall, USA.
5. Weiner, E.R. (2010), "Applications of Environmental Chemistry - A Practical Guide for Environmental Professionals", 1st Edition, CRC Press, USA.
6. Connell, D.W. (2005), "Basic Concepts of Environmental Chemistry",2nd editioN, CRC Press.

Course Code: IWM 302	**Course Name**: Fundamentals of Mathematics and Statistics	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**2nd year** **3rd Semester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic mathematics	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO302.1	Understand sets, relation and function and analyze average, ratio and proportion, profit/loss, discount, simple interest and compound interest.
CO302.2	Learn about significant figures, Probability and its application and understand about vector, 3-D and integration and their applications.
CO302.3	To analyze areas under the graph, tabulation, line, bar graph and their applications.
CO302.4	Understand the basics of descriptive statistics and analyze statistical data using MS office.
CO302.5	Know about measures of central tendency, frequency curves, skewness and kurtosis.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**COs**
1	Sets, Relation and function, Quadratic equation, Average, Ratio profit/ Loss and Discount, Simple interest and compound interest	**6**	**CO302.1**
2	Vectors, 3D integration (Definite and indefinite integration) Area under the graph, bar graph and Mixed graph. Differentiation, Probability, Tabulation, Line graph, bar graph and mixed graph.	**8**	**CO302.2, CO302.3**
3	Descriptive Statistics: Meaning, need and importance of statistics' Attributes and variables, Measurement and measurement scales.	**8**	**CO302.4**

	Collection and tabulation of data using MS office. Diagrammatic representation of frequency distribution using MS office:		
4	Measures of central tendency- mean, mode and median; and whisker plot), skewness and kurtosis. Histogram, frequency polygon, frequency curve' Ogives and pie chart.	**8**	**CO302.5**

Text Books:

1. Aggarwal R.S. (2013), "Quantitative Aptitude", 20th Edition, S Chand Publishers.
2. Sinha P.K. (2003), "Computer Fundamentals", 6th edition, BPB Publications.
3. G.B. Thomas and Finney R.L.(2005), "Calculus", 9th edition, Pearson Education.

Reference Books:

1. Kothari C R and Garg (2019), "Research Methodology", 4th Edition, New Age International Publishers.
2. Kumar Romesh (2016), "New Course Mathematics", 30th Edition, Pradeep Publications.
3. Bhargava M.L.Dinodia Janardan, Kharbanda G.K. and Gulati Naveen (2019), 20th Edition "Elements of Mathematic", Jeevanson Publications.
4. Hogg Robert V., McKean Joseph W. and Craig Allen T.(2007), "Introduction to Mathematical Statistics", Pearson Education, Asia.
5. Ross Sheldon , "Introduction to Probability Model", 9th Ed., Academic Press, Indian Reprint.
6. Maity, K. C. and Ghosh, R. K.(2001), " Differential Calculus", New Central Book Agency Pvt Ltd.

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Course Code: IWM 303	**Course Name:** Microbiology	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**2nd year 3rd Semester**	**Contact hours per week:** (4 Hrs.) **Exam: (3hrs.)**			
Pre-requisite of course	Basic Microbiology	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO303.1	Appreciate the diversity of microorganisms and application of microbes from extreme environments.
CO303.2	Recognize and use microorganisms as bio indicators of contamination and other environmental impacts.
CO303.3	Understand the role of microbes in bioremediation of environmental pollutants, nutrient transformation, degradation of xenobiotics, mineral and oil recovery.
CO303.4	Apply the knowledge in designing microbial based processes for pulp, textile and biofuel production industries.
CO303.5	Identify fundamental causes and mechanisms of various infections like bacterial infections, viral infections, protozoan infections and parasitic infections.

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	Cos
1	**Introduction** Definition and scope of microbiology, Microbial diversity in the environment, classification, role of microbes in environmental protection and management of resources. Bio-indicators, biosensors - types and applications in environmental pollution detection and monitoring. Gram positive and Gram negative bacteria.	**12**	**CO303.1, CO303.2**
2	**Environmental Interactions** Biogeochemical cycling: role of microorganisms in carbon, nitrogen, phosphorus and sulfur cycles. Bioremediation, biotransformation and biodegradation of xenobiotics, microbial interactions with inorganic pollutants - Microbial metal resistance; Microbial transformation; accumulation and concentration of metals; biosorption, bioleaching, biodeterioration, Bioaccumulation and biodegradation.	**18**	**CO303.1, CO303.3**
3	**Applications of microbes** Application of natural and genetically engineered micro-organisms from extreme environments: like thermophiles, alkaliphiles; acidophiles, and halophiles in waste treatment of different industries. Biofuel production (bioethanol, biogas, biohydrogen etc), Fermentation, Petroleum pollutant biodegradation. Microbial leaching of low grade mineral ores, Petroleum pollutants and improved oil recovery.	**18**	**CO303.1, CO303.3, CO303.4**
4	**Infectious diseases** Relationship between normal microbiota and host, opportunistic and nosocomial infections. Development and spread of infectious diseases. Role of poor waste disposal as a causative agent for infectious diseases. Bacterial infections (Tetanus, Typhoid, Tuberculosis), Viral infections (Measles, Influenza, HIV), protozoan infections (Plasmodium, Trypanosorna), Parasitic infections (Candida, Aspergillus).	**12**	**CO301.5**

Text Books:

1. Mohaptra Pradipta K.(2008)," Textbook of Environmental Microbiology", I K International Publishing House Pvt. Ltd.
2. Thakur Indu Shekhar (2011), "Environmental Biotechnology", 2nd Edition, I K International Publishing House Pvt. Ltd.
3. Johri B.N.(2000), "Extremophiles", Springer V erlag. , New York.
4. Hurst Christon J. (2001), "A Manual of Environmental Microbiology",2nd edition, ASM Publications.

Reference Books:

1. Varnam A.H. and Evans M.G (2000),"Environmental Microbiology", Manson Publishing Ltd.
2. Sharma P.D. (2015), "Ecology and Environment", 12th Edition, Rastogi Publications.
3. Shuler M. L. and Kargi F. (2015), "Bioprocess Engineering: Basic Concepts", 2nd edition. Pearson Education India.

4. Nelson KE and Williams C.M. (2019), "Infectious Disease Epidemiology: Theory and Practice", 4th edition. Jones and Bartlett.
5. Mitchell R., Gu J.D. (2009)," Environmental Microbiology", 2nd Edition, Wiley-Blackwell, USA.

Course Code: IWM 304	**Course Name:** Practical	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**2nd year 3rdSemester**	**Contact hours per week:** (2 Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Water parameters basic knowledge	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO304.1	Learn and understand the concept of chemistry in soil and water.
CO304.2	Learn and analyze the anions and cations in soil and water.
CO304.3	Determine phenol compounds and total/Kjeldahl nitrogen in water.
CO304.4	Understand preparation of broth media, bacterial cultures for storage and isolation of bacteria.
CO304.5	Comprehend the various methods for identification of unknown microorganisms.

Module No	**CONTENTS OF MODULE**	**Hrs.**	**COs**
1	1. To determine cations (Na and K) in soil/ water.	**2**	**CO304.1 CO304.2**
2	To determine anions (sulfate, nitrate and fluoride) in soil/ water.	**6**	**CO304.1 CO304.2**
3	To determine phenol compounds and total/Kjeldahl nitrogen in water/wastewater.	**4**	**CO304.3**
4	To determine total phosphate in wastewater.	**2**	**CO304.1 CO304.2**
5	Determination of chloride content in soil/ water.	**2**	**CO304.1 CO304.2**
6	Preparation of media - solid (LA), liquid (LB) and autoclaving.	**2**	**CO304.4**
7	Isolation of bacteria by streaking method.	**2**	**CO304.4**
8	Characterization of microbes by colony characterization/staining methods	**4**	**CO304.5**
9	Inoculation of polluted water samples.	**2**	**CO304.5**
10	Gram's staining and acid fast staining (permanent slide only).	**2**	**CO304.5**
11	Preparation of bacterial culture for storage (glycerol stock, slants).	**2**	**CO304.4**

Text Books:

1. **Fresenius**, Wilhelm, **Quentin**, Karl E., **Schneider**, Wilhelm, "Water AnalysisA Practical Guide to Physico-Chemical, Chemical and Microbiological Water Examination and Quality Assurance; springer (1988).
2. Leo ML Nollet, Leen SP De Gelder, "Handbook of Water Analysis", CRC Press,Jun 2007

Reference Books:

1. Kanwaljit Kaur, "Handbook of Water and Wastewater Analysis", Atlantic; Edition (1 January 2007).

SEMESTER-IV

Course Code: IWM 401	**Course Name:** Bioprocessing and Utilization of Agro-industrial waste	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**2nd year** **4th Semester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic knowledge of terms and processes related to agriculture waste utilization.	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO401.1	Understand the methods for utilization of agriculture waste and to impart knowledge about the basic facts of agroforestry and various agroforestry systems.
CO401.2	Learn about various biomass conversion technologies and their environmental attributes.
CO401.3	Understand the biomass pretreatment processes for successful fractionation of lignocellulose.
CO401.4	Understand the biogas production techniques and operation of biogas plants.
CO401.5	Demonstrate general knowledge and understanding of some of the basic facts, concepts and principles relating to plant biomass and the different ways in which plant biomass have been utilized by humans.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**COs**
1	**Introduction** Agriculture waste, biomass properties, Agro forestry for Bio-Energy, biomass, energy from solid waste, cell wall and plant anatomy. Biofuels- Introduction, Uses & importance. Various methods used for the treatment of agricultural waste.	**8**	**CO401.1, CO401.5**
2	**Biomass Pretreatment** Biomass pretreatment/fractionation, dilute acid pretreatment, Steam explosion pretreatment, Biological pretreatment. Biomass Briquetting- Definition – potential agro residues and their characteristics for briquetting, fundamental aspects and technologies involved in briquetting, economic analysis of briquetting, appliances for biomass briquettes. (PK)	**6**	**CO401.3, CO401.5**
3	**Biogas production** Screening of suitable lingo cellulosic substrate for biogas production, determination of bio-energy potential of agro-waste by	**10**	**CO401.4, CO401.5**

	estimating total solids, volatile solids, Calorific value- per cent total carbohydrates, moisture, lignin and cellulose contents, preparation of feedstocks for anaerobic bio- digestion, types of digesters, factors affecting, nutrient value and utilization of biogas slurry. (PK) handling of slurry, optimization of solid waste Ratio for types of biomass cook stoves, rural energy needs.		
4	**Biofuel** Biofuel- Introduction, history, 1 st Generation Biofuels – Corn Ethanol & Sugarcane Ethanol, 2 nd Generation Biofuels – Cellulosic Ethanol, 3rd Generation Aquatic Biomass – Cyanobacteria, Diatoms & Algae, Biochemical conversion of lignocellulose to alcohol/ethanol-pretreatment-fermentation-distillation (PK) and Consolidated Bioprocessing (CBP), biohydrogen and energy plantation. Biodiesel- Introduction, production, uses & importance. (PK).	**6**	**CO401.2**

Text Books:

1. Rai G.D.(1988), "Non Convetional Energy Sources", Khanna Publishers
2. Raymond C Loehr, Agricultural Waste Management- problems, processes and approaches. First edition, Academic press, 1974.
3. Uta Krogmann, Ina Korne and Luis F. Diaz.2010. Solid waste technology and management (Vol 1 and2). Blackwel Pub Ltd., Wiley Online library.
4. Magdalena Muradin and Zenon Foltynowicz, Potential for Producing Biogas from Agricultural Waste in Rural Plants in Poland. Sustainability, 2014, 6, 5065-5074.
5. Robert C. Brown, Biorenewable Resources: Engineering New Products from Agriculture. Wiley-Blackwell Publishing (Second Edition)
6. Sunggyu Lee and Y.T. Shah, Biofuels and Bioenergy Processes and Technologies. CRC Press (2013) (Recommended)

Reference Books:

7. Sergio Capareda, (2013)," Introduction to Biomass Energy Conversions", CRC Press, USA.
8. Robert C. Brown, (2019)," Thermo-chemical Processing of Biomass: Conversion into Fuels, Chemicals and Power", John Wiley and Sons, USA.
9. Wanger K.D.(1998), "Environmental Management", W.B. Saunders Co. Philadelphia, USA.
10. Rao M.N., Sultana Razia and Kota Sri Harsha(2017)," Solid and Hazardous Waste Management", BS Publications.
11. Klee, G.A. (1991)," Conservation of Natural Resources", Prentice Hall Publ. Co., New Jersey.

Course Code: IWM 402	**Course Name:** Solid Waste Management	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**2nd year** **4th Semester**	**Contact hours per week:** (4 Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic knowledge of solid waste	**Evaluation**			
		CIE: 50	**TEE: 50**		
Course Outcomes: On completion of the course, student would be able to:					

CO402.1	Understand various aspects of solid waste management (starting from its generation to processing with options for reuse and recycle, transport, and disposal).
CO402.2	Plan segregation, collection, transportation, recycling and disposal of municipal solid waste in such a way that its impact is minimal on environment, economy and community.
CO402.3	To manage construction and operations of landfill facilities, energy recovery systems and management of leachate systems.
CO402.4	To design composting systems, maintain and operate the aerobic and anaerobic composting process for effective organic waste recycling.

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	COs
1	**Introduction to Solid Waste** Solid waste: Definition, overview of solid waste management, types of solid wastes, sources of solid wastes, properties of solid wastes, Factors affecting the type and quality of waste, causes of Solid waste generation, associated risks of solid wastes, Physical and chemical composition of municipal solid waste, hierarchy of waste management options.	**14**	**CO402.1, CO402.2**
2	**Solid Waste Management** Solid waste management: Key components of solid waste management, Generation, storage (containers), collection, transportation (human powered, animal powered and motorized) and Disposal (Landfills, composting, incineration and pyrolysis), Recycling and resource recovery, layout of routes. Methods of handling and processing of solid wastes: separation, screening, size reduction, densification, baling, cubing, compaction and pelleting.	**16**	**CO402.1, CO402.2**
3	**Landfilling** Landfilling: Site selection criteria, landfill layout, landfill sections, Occurrence of gases and leachate in landfills: composition and characteristics, generation factors, initial adjustment phase, transition phase, acid formation phase, methane formation phase, maturation phase of gases and leachate, advantages and disadvantages.Bioremediation or biomining of legacy wastes	**16**	**CO402.3**
4	**Composting** Composting: definition, types, process description, design and operational consideration of aerobic composting; process. description, design and operational consideration of anaerobic Composting, Vermicomposting; Thermal conversion methods: incineration/combustion, pyrolysis and gasification, energy recovery system.	**14**	**CO402.4**

Text Books:

1. Masters Gilbert M. and Ela P. Wendell (2019) , "Introduction to Environmental Engineering and Science", 10th Edition, Pearson Publications.
2. Garg Santosh Kumar (2008), "Sewage Disposal and Air Pollution Engineering", 37th Edition, Khanna Publishers.

Reference Books:

1. Rao M.N., Sultana Razia and Kota Sri Harsha (2017)," Solid and Hazardous Waste Management", BS Publications.
2. Singh Jagbir and Ramnath AL. (2019), "Solid Waste Management", Dreamtech Press.
3. Vesilind, P.A. and Worrell W.A. (2016), "Solid Waste Engineering", 2nd Edition, Cengage India.
4. CPHEEO (2016), "Manual on Municipal Solid Waste Management", Ministry of Urban Development", India.
5. John Pichtel (2014), "Waste Management Practices: Municipal, Hazardous and Industrial", 2nd Edition, CRC Press, USA.
6. Tchobanoglous G., Theisen H., Vigil S.A. (2014), " Integrated Solid Waste Management, Engineering Principles and Management Issues", 2nd Edition, McGraw-Hill, USA.

Course Code: IWM 403	**Course Name:** Pollution Control and Management	**L**	**T**	**P**	**C**
		4		**-**	**4**
Year and Semester	**2nd year** **4th Semester**	**Contact hours per week:** (4 Hrs) **Exam:** (3hrs.)			
Pre-requisite of course	Environmental pollution	**Evaluation**			
		CIE:50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO403.1	Wastewater treatment methods such as primary treatment methods, secondary treatment methods and tertiary treatment methods; sludge treatment methods
CO403.2	Control of particulates and gaseous pollutants from polluted air
CO403.3	Noise pollution control methods such as absorbing materials, barrier materials, damping materials, acoustical enclosures, reactive silencers and filters
CO403.4	Soil pollution control methods such as physical remediation techniques which includes vacuum extraction, soil washing, flushing, heating, leaching
CO403.5	Biological methods of soil remediation such as phytoremediation, phytoextraction, hyperaccumulation, phytodegradation, phytovolatization
CO403.6	Learn the various parameters and their interrelationship, able to solve numerical problems with series, cascade, and parallel connection using two port parameters.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs**	**COs**
1	**Wastewater management:** Primary treatment methods: screening, grit removal, primary sedimentation; Secondary treatment methods: Activated sludge process, trickling filters, rotating biological contactors (RBCs), oxidation ponds and lagoons. Tertiary/advanced treatment methods: removal of nutrients, flue gas, ions and solids. Sludge treatment methods: preliminary operation, thickening, conditioning, dewatering. filtration, digestion and disposal.	**16**	**CO403.1, CO403.2**
2	**Air Pollution control:** Source correction methods, control gravitational settling chambers, centrifugal collectors, wet collectors, precipitators. control methods for gaseous pollutants- adsorption, combustion. methods for particulates- Fabric filters, electrostatic absorption, condensation	**10**	**CO403.3,**

3	**Noise Pollution control:** Absorbing materials, barrier materials, damping materials, acoustical enclosures, Reactive silencers and filters; Active noise control methods.	**8**	**CO403.4, CO403.5**
4	**Soil pollution control:** Physical remediation methods: incineration, vacuum extraction, soil washing / flushing, leaching, heating; Biological remediation methods (bioremediation): Role of microbes and plants in controlling and decreasing soil pollution. phytoremediation- phytoextraction. hyperaccumulation, enhanced rhizosphere phytoremediation, phytostabilization, phytodegradation and phytovolatilization.	**11**	**CO403.6**

Text Books:

1. Rao M N, "Wastewater Treatment", Oxford & IBH Publishing; 3rd edition (1 January 2020).
2. Karia G. L, "Wastewater Treatment: Concepts and Design Approach", Prentice Hall India Learning Private Limited; 2nd edition (1 January 2013).
3. KVSG Murali Krishna, "Industrial Water and Wastewater Management", Paramount Publications Hyderabad, 2019.
4. Pallavi Saxena &Vaishali Naik, "Air Pollution Sources, Impacts and Controls", CABI, December 2018.
5. M Rao& H.V.N. Rao, "Air Pollution", McGraw Hill Education; 1st edition (1 July 2017).

Reference Books:

1. C.S. Rao, "Environmental Pollution Control Engineering", New Age International Publishers; Third edition (1 January 2018).
2. Rajat Sethi, "Air Pollution: Sources, Prevention & Health Effects (Air, Water and Soil Pollution Science and Technology: Pollution Science, Technology and Abatement)", Nova Science Publishers Inc; UK ed. edition (1 July 2013).

Course Code: IWM 404	Course Name: Practical	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**2nd year 4thSemester**	**Contact hours per week:** (2 Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Water parameters	**Evaluation**			
		CIE: 50	**TEE: 50**		
Course Outcomes: On completion of the course, student would be able to:					
CO404.1	Learn and understand the concept of solid waste measurement and its management				
CO404.2	Learn and analyze the physico-chemical parameters of water i.e., TSS, TDS, TS, Total hardness.				
CO404.3	Understand and analyze the TOC, total alkalinity of samples.				

CO404.4	Flocculation and coagulation studies of water samples, MPN test and determination of indicator organisms.

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	COs
1	Cloning and quartering method.	**2**	**CO404.1**
2	Characterization of municipal solid waste.	**4**	**CO404.1**
3	Analysis of solid waste/sludge for moisture content.	**2**	**CO404.1**
4	Analysis of solid waste /sludge for particle size.	**2**	**CO404.1**
5	Determination of TSS, TS, TDS, VSS and total settleable solids in water samples.	**4**	**CO404.2**
6	Bacterial water quality: Measuring quality of water by using coliform organisms (MPN).	**2**	**CO404.4**
7	Indicator and Indices: Fecal streptococci, anaerobic bacteria.	**4**	**CO404.4**
8	Flocculation and coagulation studies of wastewater samples.	**4**	**CO404.4**
9	Determination of Total organic carbon (TOC) in soil and wastewater samples.	**4**	**CO404.3**
10	Determination of Total Alkalinity in water and wastewater samples.	**2**	**CO404.3**

Text Books:

1. Fresenius, Wilhelm, Quentin, Karl E., Schneider, Wilhelm, "Water AnalysisA Practical Guide to Physico-Chemical, Chemical and Microbiological Water Examination and Quality Assurance; springer (1988).
2. Leo ML Nollet, Leen SP De Gelder, "Handbook of Water Analysis", CRC Press,Jun 2007
3. Standard Methods for the Examination of Water & Wastewater, APHA.

Reference Books:

1. Kanwaljit Kaur, "Handbook of Water and Wastewater Analysis", Atlantic; Edition (1 January 2007).

SEMESTER-V

Course Code: IWM 501	**Course Name**: Industrial Health & Safety	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**3rd year** **5th Semester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic knowledge of industrial health hazards	**Evaluation**			
		CIE: 50	**TEE: 50**		
Course Outcomes: On completion of the course, student would be able to:					
CO501.1	Able to understand environmental & occupational health specific concern to health effects of any worker/population when exposed to contaminated air and water pollution.				

CO501.2	Learn safety education, training & understanding the importance of a safe workplace.Understand and analyze the occupational diseases & consequences of accidents at the workplace.
CO501.3	Understand the role of organizational management & public for workplace safety. Learn about the physical hazards i.e., radiation, heat, vibration, noise etc. Understand the handling techniques for safe use of equipment at work.
CO501.4	Learn the importance of housekeeping at the workplace. Understanding the exposure of chemicals in the workplace. Analyse and learn about the safe transportation and handling of hazardous materials. Understand the HAZCHEM Code.
CO501.5	Learn & analyse the precautionary methods of hazardous substances. Understand the importance of PPE (Personal protective equipment) & its various types used at the workplace.
CO501.6	Understand the methods of use of respiratory & non- respiratory protective equipment and their importance at the workplace. Learn and analyse the safety methods in case of on-site or off-site emergency conditions.
CO501.7	Understand the importance of safety audit and inspection in a plant. Learn & understand occupational health & safety standards & their importance.
CO501.8	Understand the Workmen's compensation Act, 1923, The Factory Act, 1948, The Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2016, their role and importance.

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	COs
1	**Introduction** Occupational environment and its relation to health, training, safety education and Safety promotion and publicity schemes, human factors contributing to accidents, Safety and physiology, occupational diseases. Accident hazards, consequences of accidents, role of management and public.	**6**	**CO501.1, CO501.2,**
2	**Hazards** Physical hazards: Unsafe handling. Housekeeping, Ergonomics. Chemical Hazards: classification of hazardous chemicals, transportation, hazardous chemicals, Hazchem code, storage and handling of hazardous substances, Major accidents involving hazardous substances.	**8**	**CO501.3, CO501.4**
3	**Plant safety** Personal protection equipment: Non respiratory protective equipment and respiratory protective equipment, Emergency preparedness (on-site & off- site), Plant safety inspections and safety audits.	**8**	**CO501.5, CO501.6**
4	**Legislation Measures** Occupational health & safety standards, The workmen's compensation Act, 1923, The factory Act, 1948, Public insurance & Liabilities Act,1991.	**8**	**CO501.7, CO501.8**

Text Books:

1. S. Z. Mansdorf, “Handbook of Occupational Safety and Health”, Wiley, 2019.
2. Chester Razer, “OSHA Field Guide: Understand Workplace Safety & Save Money”, Bowker, 2019.
3. Frances Alston, Emily J. Millikin, “Guide to Environment Safety and Health Management”, CRC Press, 2015.
4. M.P. Poonia, S.C. Sharma, “Industrial Safety and Maintenance Management”, Khanna Book Publishing Company Pvt Ltd., 2019.

Reference Books:

1. Dr. R.B. Choudhary and G.R.N. Tagore, “Plant Layout and Materials Handling”, Khanna Publishers, 1987.
2. Fundamentals of Industrial Hygiene. 5th Ed. Plog, Barbara and Patricia Quinlain. Chicago, IL: National Safety Council, 2001.

Course Code: IWM 502	**Course Name:** Wastewater Management	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**3rd year** **5th Semester**	**Contact hours per week:** (4Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Water and wastewater pollution	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO502.1	Understand the importance of water, need for wastewater treatment. Learn about the sampling of water/wastewater samples, Indian standards of wastewater disposal on land and in water bodies.
CO502.2	Learn about the preliminary wastewater treatment process i.e. equalization, neutralization.
CO502.3	Understand the working, theory and design of screens, grit chamber, sedimentation, coagulation and flocculation tanks.
CO502.4	Learn and understand about the physio-chemical and biological treatment processes, Understand and analyze the membrane bioreactors (MBR), Moving bed biological reactors (MBBR), anaerobic baffled reactors (ABR), Activated sludge process (ASP), extended aeration systems, trickling filters (TF), Rotating Biological Contactors, oxidation ditches/ponds, sequential batch reactor, root zone treatment, Up flow anaerobic sludge blanket (UASB) reactor.
CO502.5	Able to understand the advanced wastewater treatment techniques & methods i.e. nitrification and denitrification.
CO502.6	Understand about the various wastewater treatment processes i.e. Biological phosphate removal (BPR), types of membrane processes, lon exchange; Advanced oxidation process: photocatalysis, water disinfection techniques i.e. chlorination, ozonation.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**COs**
1	**Introduction** Self-purification of water bodies, Need of wastewater treatment, classification, sources of water pollutants, Wastewater flow and its characteristics, Wastewater	**12**	**CO502.1**

	collection systems, Estimation and variation of wastewater flows. Problems of industrial wastewaters, Sampling protocol, Indian standards for disposal of treated wastewater on land and in natural streams.		
2	**Preliminary and primary treatment** Preliminary process, Equalization, Neutralization, Proportioning processes. Primary wastewater treatment processes; (Screens, grit chamber, Comminutors and primary settling tanks). Theory and design of screens, grit chambers. sedimentation, coagulation and flocculation.	**16**	**CO502.2** **CO502.3**
3	**Secondary treatment** Physio-chemical and biological treatment strategies and their evaluation, Membrane bioreactors (MBR), Moving bed biological reactors (MBBR), anaerobic baffled reactors (ABR). Activated sludge process (ASP), extended aeration systems, trickling filters (TF), Rotating BiologicalContactors, oxidation ditches/ponds, sequential batch reactor, root zone treatment, Up flow anaerobic sludge blanket (UASB) reactor.	**16**	**CO502.4**
4	**Advanced wastewater treatment** Introduction, Nutrient removal – nitrification, denitrification, Biological phosphate removal (BPR); Membrane processes - Fundamentals, membranes – types, Classifications, microfiltration, ultrafiltration, nanofiltration and reverse- osmosis, electrodialysis, Membrane fouling, cleaning and mitigation techniques; lon exchange; Advanced oxidation process: photocatalysis, ozonation - ozone/UV, ozone/hydrogen peroxide, hydrogen peroxide/UV, applications, oxidation of refractory organic compounds.	**16**	**CO502.5** **CO502.6**

Text Books:

1. RAO M N, “WasteWater Treatment”, OXFORD & IBH PUBLISHING; 3rd edition (1 January 2020).
2. Karia G. L, “Wastewater Treatment: Concepts and Design Approach”, Prentice Hall India Learning Private Limited; 2nd edition (1 January 2013).
3. KVSG Murali Krishna, “INDUSTRIAL WATER AND WASTEWATER MANAGEMENT”, PARAMOUNT PUBLICATIONS HYDERABAD, 2019.

Reference Books:

1. Santosh Kumar Garg, “Environmental Engineering (Vol. II) Sewage Waste Disposal and Air Pollution Engineering”, Khanna Publishers, 1979.
2. Venkateswarlu, K.S., “Water Chemistry-Industrial and Power Station Water Treatment”, New Age International (P) Ltd., Publishers, 1996.

Course Code:	**Course Name:** Instrumentation and Techniques- II	**L**	**T**	**P**	**C**
IWM 503		**4**	**-**	**-**	**4**

Year and Semester	**3rd year** **5th Semester**	**Contact hours per week:** (4Hrs.) **Exam:** (3hrs.)	
Pre-requisite of course	Basic knowledge of instruments	**Evaluation**	
		CIE: 50	**TEE: 50**
Course Outcomes: On completion of the course, student would be able to:			
CO503.1	Learn and understand about the principle and rules of centrifugation, sedimentation, various types of centrifugation processes and motors used in it.		
CO503.2	Understand the principles, working and applications of chromatographic techniques i.e., paper chromatography, thin layer chromatography, Column chromatography Gas liquid chromatography, High pressure liquid chromatography, ion exchange chromatography.		
CO503.3	Learn Electron Microscopy, Principle, working and applications of Spectrophotometry,UV-Visible spectrophotometry, flame photometry, Atomic Absorption spectrophotometry and Fluorometry.		
CO503.4	Understand Radioactivity, Principles of Radioactivity, Types of radioactivity. Geiger Mueller (GM) Detectors. Alpha Radiation Survey Meter, Dose Rate Meter and Scintillation counters.		

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	COs
1	**Centrifugation** Principle of centrifugation, basic rules of sedimentation, sedimentation coefficient, various types of centrifuges-Tabletop centrifuge, refrigerated centrifuged, Different types motors, Differential centrifugation, Density gradient centrifugation.	**12**	**CO503.1**
2	**Chromatography** Principles, working and applications of Chromatographic Techniques -Paper chromatography,thin layer chromatography, Column chromatography Gas liquid chromatography, High pressure liquid chromatography, lon exchange chromatography.	**16**	**CO503.2**
3	**Advanced Microscopy and Spectroscopy** Electron Microscopy (Scanning andTransmission Electron Microscopy); Principle, working and applications ofSpectrophotometry,UV-Visible spectrophotometry, flame photometry, Atomic Absorption spectrophotometry, Fluorometry.	**16**	**CO503.3**
4	**Radioisotopes:** Radioactivity, Principles of Radioactivity, Types of radioactivity. Geiger Mueller (GM) Detectors. Alpha Radiation Survey Meter, Dose Rate Meter, Scintillation counters.	**16**	**CO503.4**

Text Books:

1. Shalinee Naidoo, “Centrifugation Techniques”, Arcler Education Inc (1 November 2017).
2. James M. Miller, “Chromatography: Concepts and Contrasts, Second Edition”, John Wiley & Sons, 2009.

3. Yves Engelborghs, Antonie J.W.G. Visser, "Fluorescence Spectroscopy and Microscopy: Methods and Protocols", Springer Nature; 2014th edition (24 October 2013).
4. Peggy Sparks, "Handbook of Radioisotopes", NY Research Press; Illustrated edition (16 January 2015).

Reference Books:

1. Peggy Sparks, "Applications of Radioisotopes", NY Research Press; Illustrated edition (20 January 2015).
2. Douglas B. Murphy, "Fundamentals of Light Microscopy and Electronic Imaging", Wiley-Liss; 1st edition (December 15, 2001).
3. Vladimir G. Bordo, Horst-Günter Rubahn, "Optics and Spectroscopy at Surfaces and Interfaces", Wiley,December 2005.

Course Code: IWM 504	**Course Name:** Practical	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**3rd year 5thSemester**	**Contact hours per week:** (2 Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic knowledge of water parameters	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO504.1	Learn and analyze the physico-chemical parameters of water i.e., TSS, TDS, TS, Total hardness.
CO504.2	Understand and analyze the BOD, COD, Amino acids in water samples.
CO504.3	Separation of dissolved solid particulate matter using centrifugation, Estimation of protein by Lowry/Bradford methods and Working, standardization of flame photometer and plotting calibration curve for alkali metals.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**COs**
1	**Practical (30 Hours)** 1. Determinations of Total Hardness of water sample (IS 3025: Part-21) 2. Determination of TS, TSS (IS 3025: Part- 17) and TDS (IS: 3025- Part- 16) in water samples 3. To determine the dissolved oxygen (DO) in water samples 4. To determine Biochemical Oxygen demand (BOD) of sample (IS 3025: Part- 44) 5. To determine Chemical oxygen demand (COD) of sample (IS 3025: Part-58) 6. Separation of amino acids by paper chromatography/TLC 7. Separation of dissolved solid particulate matter using centrifugation 8. Estimation of protein by Lowry/Bradford methods 9. Working, standardization of flame photometer and plotting calibration curve for alkali metals.	**30**	**CO504.1 CO504.2 CO504.3**

Text Books:

1. **Fresenius**, Wilhelm, **Quentin**, Karl E., **Schneider**, Wilhelm, "Water AnalysisA Practical Guide to Physico-Chemical, Chemical and Microbiological Water Examination and Quality Assurance; springer (1988).
2. Leo ML Nollet, Leen SP De Gelder, "Handbook of Water Analysis", CRC Press,Jun 2007
3. Standard Methods for the Examination of Water & Wastewater, APHA, AWWA, WEF
4. IS 3025: Part- 1 to 60.

Reference Books:

1. Kanwaljit Kaur, "Handbook of Water and Wastewater Analysis", Atlantic; Edition (1 January 2007).

SEMESTER-VI

Course Code: IWM 601	**Course Name:** Air and soil pollution Management	**L**	**T**	**P**	**C**
		2	**-**	**-**	**2**
Year and Semester	**3rd year** **6thSemester**	**Contact hours per week:** (2Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Air and soil pollution understanding	**Evaluation**			
		CIE: 50	**TEE: 50**		
Course Outcomes: On completion of the course, student would be able to:					
CO601.1	Understand the indoor and ambient air pollutants, methods of monitoring and control of air pollution. Learn about the working of High-volume air samplers, Air quality index, greenhouse gases, climate change & global warming.				
CO601.2	Learn about the management practices for industrial air pollutants, greenbelt and sources of vehicular emissions. Learn and understand about the air pollution mitigation technologies i.e. Catalytic converter. National and international pollution standards.				
CO601.3	Understand the soil pollutants, their types and effect on soil quality. Learn about the point and non- point sources of pollution.				
CO601.4	Understand the land degradation, Effect of sewage waste application on soil characteristics and crop responses. Learn about the heavy metal contamination in fertilizers and pesticides as soil pollutants.				
CO601.5	Learn & understand the different techniques of soil conservation, conservation of arable land, techniques of reclamation and restoration of contaminated soil, wasteland reclamation, soil salinity management, remedial measures of soil pollution.				
CO601.6	Understand and learn about Bioremediation- in situ, ex- situ, Legal measures for land conservation at national and international level.				

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	COs
1	**Air pollution** Air pollutants, movement and diffusion of pollutants, Major air pollutants in India. Indoor air pollutants, Methods of monitoring and control of air pollution- SO_X, NO_X, CO and SPM, High volume air sampler, Air quality index, Greenhouse Gases, climate change and global warming, Case studies on Delhi air pollution.	**6**	**CO601.1**
2	**Management of industrial and vehicular emission pollution** Management practices for industrial air pollutants, Zoning of industries and greenbelt, Case study of an Industry; Principal engine emissions, Sources of engine/vehicular emissions, Air pollution control technologies- Mobile and stationary Sources, Catalytic converter, Pollution standards; nation and international.	**8**	**CO601.2**

3	**Industries & soil pollution** Definition, sources- point and non- point, soil pollutants - types and characteristics and their effect on soil; Land degradation, effect of sewage waste application on soil characteristics and crop responses, Industrial effluents and soil pollution, Heavy metal contaminants in fertilizers and pesticides as soil pollutants.	**8**	**CO601.3, CO601.4**
4	**Soil conservation and management** Strategies for soil conservation, conservation of arable land, techniques of reclamation and restoration of contaminated soil, wasteland reclamation, soil salinity management, remedial measures of soil pollution. Bioremediation- in situ, ex- situ, Legal measures for land conservation at national and international level.	**8**	**CO601.5, CO601.6**

Text Books:

1. Pallavi Saxena &Vaishali Naik, "Air PollutionSources, Impacts and Controls", CABI, December 2018.
2. M Rao& H.V.N. Rao, "Air Pollution", McGraw Hill Education; 1st edition (1 July 2017).
3. Ibrahim Mirsal, "Soil Pollution: Origin, Monitoring & Remediation", Springer; 2nd ed. 2008 edition (20 August 2008)

Reference Books:

2. Daniel Vallero, "Fundamentals of Air Pollution 5th Edition", Academic Press, 13th August 2014.
3. C.S. Rao, "Environmental Pollution Control Engineering", New Age International Publishers; Third edition (1 January 2018).
4. Irena Twardowska, Sebastian Stefaniak, Herbert E. Allen and Max M. Häggblom, "Soil and Water Pollution Monitoring, Protection and Remediation", Springer; 2006th edition (17 January 2007).
5. Rajat Sethi, "Air Pollution: Sources, Prevention & Health Effects (Air, Water and Soil Pollution Science and Technology: Pollution Science, Technology and Abatement)", Nova Science Publishers Inc; UK ed. edition (1 July 2013).
6. Helmut Meuser, "Soil Remediation and Rehabilitation: Treatment of Contaminated and Disturbed Land", Springer; 2013th edition (10 December 2012).

Course Code: IWM 602	**Course Name:** Environmental policies and laws	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**3rd year** **6thSemester**	**Contact hours per week:** (4 Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Basic knowledge about env related laws	**Evaluation**			
		CIE: 50	**TEE: 50**		
Course Outcomes: On completion of the course, student would be able to:					
CO602.1	Learn about the Stockholm conference, UNEP and its functions.				

CO602.2	World Earth summit: Agenda 21, UNFCCC, Convention on climate change, Vienna Convention, Montreal protocol, RAMSAR convention, Eco mark scheme.
CO602.3	Understand the constitutional provisions for environmental protection.
CO602.4	Learn and analyze Water (Prevention and Control of Pollution) Act, 1974; Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986; Public insurance & Liabilities Act, 1991.
CO602.5	Understand the municipal solid waste management & handling rules, 2000, Hospital waste management, Biomedical waste (management and handling) rules, 1988. Fly ash Management Rules, (1999).
CO602.6	Learn and understand about hazardous waste and its physico- chemical properties, Hazardous waste control, treatment and management, Hazardous waste (management and handling) rules (1989) and (2016) amendments.

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	COs
1	**Conferences/Conventions related to environment** Stockholm conference, Creation of UNEP and its role, World Earth summit; Agenda 21, UNFCCC, Convention on Climate Change,Vienna convention, Montreal protocol, Basel convention, RAMSAR convention, Eco mark scheme.	**16**	**CO602.1, CO602.2**
2	**Environmental policy and laws in India** Constitutional provisions for environmental protection. Water (Prevention and Control of Pollution) Act, 1974; Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986; Noise rules…….	**16**	**CO602.3, CO602.4**
3	**Solid waste management plan** Municipal Solid Waste (management and handling) rules, 2016, Biomedical waste (management and handling) rules, 2016. Fly ash Management Rules, (2016). Construction and Demolition waste management rules,2016, Plastic (Waste Management and Handling) rules (2016)	**15**	**CO602.5**
4	**Hazardous waste management** Physico-chemical properties of hazardous waste needed in Management, Hazardous waste control, treatment and management, Hazardous waste (management and handling) rules (1989) and (2016) amendments., E-waste (Management), rules, (2016)	**13**	**CO602.6**

Text Books:

1. Universal's Legal Manual, "Environment and Pollution Laws (Containing Acts & Rules)", Universal Law Publishing - An imprint of LexisNexis (1 January 2015).
2. Sasikumar K, "Solid Waste Management", Prentice Hall India Learning Private Limited (1 January 2009).
3. Dr. Surendra Kumar, "Solid waste management", Northern Book Centre, 2009.

4. Michael D. Lagrega, Phillip L. Buckingham, Jeffrey C. Evans, Environmental Resources Management, "Hazardous Waste Management", Waveland Pr Inc; Reissue edition (1 July 2010).

Reference Books:

1. Divan Shyam, Rosencranz Armin, "Environmental Law and Policy in India: Cases, Material & Statutes", Oxford; Edition (1 February 2002).
2. Jonathan W. C. Wong; Rao Y. Surampalli; Tian C. Zhang; Rajeshwar D. Tyagi; and Ammaiyappan Selvam, "Sustainable Solid Waste Management", ASCE Books.
3. Gayle Woodside, "Hazardous Materials and Hazardous Waste Management", Wiley; 2nd edition (12 April 1999).

Course Code: IWM 603	**Course Name:** Hazardous, Radioactive and E-Wastes	**L**	**T**	**P**	**C**
		4	**-**	**-**	**4**
Year and Semester	**3rd year** **6thSemester**	**Contact hours per week:** (4 Hrs.) **Exam:** (3hrs.)			
Pre-requisite of course	Environment Pollution	**Evaluation**			
		CIE: 50	**TEE: 50**		

Course Outcomes: On completion of the course, student would be able to:	
CO603.1	Learn about definition, sources, types and different- different categories of hazardous waste.
CO603.2	Analyze and understand the sampling, hazardous waste survey, handling, storage and transport and TSDF Concept.
CO603.3	Learn about the physical, chemical and thermal treatments technologies of hazardous waste.
CO603.4	Understand about the hazardous waste landfilling site selection, design and operation. Hazardous waste reduction, recycle and re-use and regulatory aspects of hazardous waste management.
CO603.5	Learn about radioactive waste, its definition, sources, low level and high radioactive waste, their management and radiation standards by ICRP & AERB.
CO603.6	Understand the e-waste, its characteristics, sources of generation, impacts of the e-waste on the environment, WEEE (Waste electrical and electronic equipment), Collection, transport and recycling of e-waste.

Module No	**COURSE SYLLABUS CONTENTS OF MODULE**	**Hrs.**	**COs**
1	**Hazardous waste** Definition, sources, types and characterization categories and control. Sampling and analysis of hazardous wastes: analytical approach for hazardous waste characterization, proximate analysis, survey analysis, directed analysis, analytical methods. Collection. handling, storage and transport, TSDF concept.	**16**	**CO603.1, CO603.2**
2	**Hazardous waste management** Hazardous waste treatment technologies - Physical, chemical and thermal treatment of hazardous waste: solidification,	**16**	**CO603.3, CO603.4**

	chemical fixation, encapsulation, pyrolysis and incineration. Hazardous waste landfills- Site selections, design and operation. HW reduction, recycling and reuse, Regulatory aspects of HWM. Biomedical waste: Definition, sources, classification, collection, segregation, treatment and disposal.		
3	**Radioactive waste management** Radioactive waste: Definition, Sources, Low level and high-level radioactive wastes and their management, Radiation standard byICRP and AERB.	**12**	**CO603.5**
4	**E-Waste management** Introduction, WEEE (Waste electrical and Electronic Equipment), e-waste characteristics, generation, collection, transport, recycling and disposal methods. Effects of e-wastes on the environment. Plastic waste: Plastic Waste – Sources, Production, Global and Indian Context; Plastic management- recycling, energy production, landfilling. Green synthetic approaches for the preparation of environmentally friendly polymers.	**16**	

Text Books:

1. Stephen M. Roberts (Author), Christopher M. Teaf (Author), Judy A. Bean (Author), "Hazardous Waste Incineration: Evaluating the Human Health and Environmental Risks", CRC Press; 1st edition (19 November 1998).
2. Charles A. Wentz, "Hazardous Waste Management", McGraw-Hill Inc.,US (1 April 1989).
3. James Saling, "Radioactive Waste Management", CRC Press; 2nd edition (7 November 2001).
4. Hosam El-Din Saleh, "Assessment and Management of Radioactive and Electronic Wastes", IntechOpen (8 January 2020).
5. Jalelwad Pooja (Author), Awati Jayashree (Author), "E-Waste Management", LAP Lambert Academic Publishing (7 December 2015).

Reference Books:

1. John Pichtel, "Waste Management Practices: Municipal, Hazardous, and Industrial, Second Edition", CRC Press; 2nd edition (31 March 2014).
2. Debashish Sengupta, Brajesh K. Dubey, Sudha Goel, "Treatment and Disposal of Solid and Hazardous Wastes", Springer; 1st ed. 2020 edition (12 March 2021).
3. Klaus Hieronymi, RamzyKahhat, Eric Williams, "E-Waste Management: From Waste to Resource", Routledge; 1st edition (22 May 2012).
4. Robert E. Berlin, Catherine C. Stanton (Author), "Radioactive Waste Management", Wiley–Blackwell (5 April 1989).

Course Code:	**Course Name:** Practical	**L**	**T**	**P**	**C**
IWM 604		**2**	**-**	**-**	**2**

Year and Semester	3rd year 6thSemester	Contact hours per week: (2 Hrs.) Exam: (3hrs.)	
Pre-requisite of course	Air, water and soil parameters	Evaluation	
		CIE: 50	TEE: 50

Course Outcomes: On completion of the course, student would be able to:	
CO604.1	Learn and analyze the sampling techniques, various physical-chemical parameters of water/wastewater.
CO604.2	Understand and learn the monitoring of particulate matter (PM 2.5 and PM 10) in air, sampling & analysis of gaseous air pollutants.
CO604.3	Analyse the heavy metals in water/wastewater using AAS instruments.
CO604.4	Understand the analysis of biological activities in water/wastewater i.e. bacteria, algae and protozoa.
CO604.5	Learn and understand the working culture of a composting/vermicomposting unit, biogas plant and wastewater treatment plant by visits.

Module No	COURSE SYLLABUS CONTENTS OF MODULE	Hrs.	COs
1	**Practical** 1. Sample preparation and sampling techniques 2. Determination of various physico-chemical parameters of water/wastewater. 3. Determination of particulate air pollutants (PM 2.5 and PM l0). 4. Determination of gaseous air pollutants (SOx, NOx, O3, NH3, CO). 5. Determination of heavy metals in water/wastewater samples using AAS. 5. Biological examination of water/wastewater: Algae, bacteria and protozoa. 7. A visit to a local vermicomposting/composting unit. 8. A field visit to the biogas plant/waste recycling unit.	**30**	**CO604.1, CO604.2, CO604.3, CO604.4, CO604.5**

Text Books:

1. Fresenius, Wilhelm, Quentin, Karl E., Schneider, Wilhelm, "Water AnalysisA Practical Guide to Physico-Chemical, Chemical and Microbiological Water Examination and Quality Assurance; springer (1988).
2. Leo ML Nollet, Leen SP De Gelder, "Handbook of Water Analysis", CRC Press, Jun 2007

Reference Books:

1. Kanwaljit Kaur, "Handbook of Water and Wastewater Analysis", Atlantic; Edition (1 January 2007).
2. CENTRAL POLLUTION CONTROL BOARD Ministry of Environment & Forests, "Guidelines for the Measurement of Ambient Air Pollutants, Vol. I", P R Division, Central Pollution Control Board on behalf of Sh. J. S. Kamyotra, Member Secretary, CPCB, 2013.

Skill Education Component

Semester I

Skill Qualification pack

Sector Skill Council: Green Jobs

Job Role: Wastewater Treatment Plant Technician

NSQF Level: 4

Qualification pack Code: SGJ/Q6601

National Occupation Standards

1. SGJ/Q6601: Operation of Waste Water Treatment Plant
2. SGJ/Q6602: Monitor and maintenance of Waste Water Treatment Plant
3. SGJ/Q6605: Work Safety at Wastewater Treatment Plant

Semester II

Skill Qualification pack

Sector Skill Council: Green Jobs

Job Role: Water Quality Testing Technician

NSQF Level: 5

Qualification pack Code: SGJ/Q6603

National Occupation Standards

1. SGJ/Q6607: Testing and Analysis of Water Sample
2. SGJ/Q6608: Calibrate and Maintain water testing apparatus
3. SGJ/Q6609: Maintain Personal Health and Safety

Semester III & IV

Skill Qualification pack

Sector Skill Council: Green Jobs

Job Role: Manager- Waste Management

NSQF Level: 6

Qualification pack Code: SGJ/Q6501

National Occupation Standards

1. SGJ/N6501: Carry out market analysis
2. SGJ/N6503: Ensure compliance with applicable statutory laws, policies and procedures
3. SGJ/N6504: Ensure health and safety at workplace
4. SGJ/N6505: Manage overall operations of biomass depot
5. SGJ/N6506: Manage overall operations of compost yard
6. SGJ/N6507: Manage overall operations of dry waste collection center

Semester V & VI

Skill Qualification pack

Sector Skill Council: Green Jobs

Job Role: Plant Incharge (Wastewater Treatment Plant)

NSQF Level: 7

Qualification pack Code: Aligned to NSQF level 7

National Occupation Standards

1. An Overview of water and wastewater treatment
2. Water and wastewater quality testing
3. Hydraulic Design and Calculations
4. Design Calculations for Components of wastewater treatment plant
5. Environment Health and Safety (EHS)
6. Quality and Environment management systems (QMS-EMS) as per International and Indian standards
7. Management and co-coordination of the activities at a wastewater treatment plant

34th Meeting of the Academic Council
Date: 19.05.2022 at 11:00 AM
Venue: Conference Room, Administrative Block
Central University of Haryana, Mahendragarh

Note of Dissent against Agenda No. 12

The above mentioned agenda item has been put up before the Academic Council under reporting items which deals with to report and record the action taken by the Vice-Chancellor on 19.01.2022 under section 11 (3) of the Central Universities Act, 2009 in finalizing the list of subject experts on various Selection Committees on selection to the various Teaching Posts, from the list provided by the Professors of the University and in the subjects where Professors are not available, the list of experts downloaded from the website *Vidwan,* a Ministry of Education project, where list of experts/professors is available.

In this regard, it is submitted that the decision of the Vice-Chancellor to finalize the list of experts on various Selection Committees for selection to the various Teaching Posts is perse illegal being in gross violation and contravention of the procedure of law to be adopted in regard to appointments due to the following reasons:

1. The power vested in the Vice-Chancellor under Section 11 (3) of the Central Universities Act, 2009 is purely for the immediate action to be taken. It is a matter of ordinary prudence that the process of selection can't fall under the category of immediate action as it involves the preparation of roster, anticipation of the vacant posts, making of an advertisement, scrutiny of applications, invitation letter to the shortlisted candidates by the giving reasonable period and conduct of interview, etc.
2. The meeting of the 33rd Meeting of the Academic Council was held on 12.10.2021 and the advertisements to various Teaching Posts had already

been made by the University. It clearly means that the University was well aware about the fact that the panel of experts is required to be placed before the Academic Council. If really, it was the bonafide intention to proceed as per the procedure established by law, the panel of the experts would have been got approved from the Academic Council on 12.10.2021 itself.

3. It is the wisdom of the circumstances which should prevail in such matter and as per the wisdom of circumstances, it was the first and foremost step required to be taken by the Vice-Chancellor to conduct the emergent meeting of the Academic Council, if so required in place of the exercise of the power under Section 11 (3) of the Central Universities Act, 2009.
4. Even if, there was an emergency, it could be only for a particular date of interview and the same can't continue for the months together.
5. The relevant provision i.e. Statute-18 of the Central Universities Act, 2009 dealing with constitution of the Selection Committee(s) for appointment to the post of Professor, Associate Professor and Assistant Professor respectively is reproduced as under:

For appointment to the post of Professor:

"Three persons not in the service of the University are to be nominated by the Executive Council out of a panel of names recommended by the Academic Council for their special knowledge of, or interest in, the subject with which the Professor will be concerned".

For appointment to the post of Associate Professor/ Assistant Professor:

"Two persons not in the service of the University are to be nominated by the Executive Council out of a panel of names recommended by the Academic Council for their special knowledge of, or interest in, the subject with which the Associate Professor and Assistant Professor will be concerned".

In view of the factual as well as legal position enumerated above, it is clear more than a crystal that there was a sufficient time to get the panel of experts recommended by the Academic Council and approved by the Executive Council, there was nothing like emergency. Otherwise also, there can't be any emergency which allow to deviate/contravene/violate/bypass the statutory procedure in the case of the appointments/employments in public services under the union and states.

It prima facie establishes the arbitrary, fanciful and oppressive decision of the Vice-Chancellor. If the Academic Council approves the agenda, it will be an endorsement to the illegal decisions of the Vice-Chancellor. Hence, I submit the note of dissent against the Agenda No. 12 of the 34th Meeting of the Academic Council.

19.05.2022

Prof. Rajesh Kumar Malik
Member
Academic Council &
Dean, School of Law

34th Meeting of the Academic Council
Date: 19.05.2022 at 11:30 AM
Venue: Conference Room, Administrative Block
Central University of Haryana, Mahendragarh

Note of Dissent against Agenda No. 12

The above mentioned agenda item has been put up before the Academic Council under reporting items which deals with to report and record the action taken by the Vice-Chancellor on 19.01.2022 under section 11 (3) of the Central Universities Act, 2009 in finalizing the list of subject experts on various Selection Committees on selection to the various Teaching Posts, from the list provided by the Professors of the University and in the subjects where Professors are not available, the list of experts downloaded from the website *Vidwan,* a Ministry of Education project, where list of experts/professors is available.

In this regard, it is submitted that the decision of the Vice-Chancellor to finalize the list of experts on various Selection Committees for selection to the various Teaching Posts is perse illegal being in gross violation and contravention of the procedure of law to be adopted in regard to appointments due to the following reasons:

1. The power vested in the Vice-Chancellor under Section 11 (3) of the Central Universities Act, 2009 is purely for the immediate action to be taken. It is a matter of ordinary prudence that the process of selection can't fall under the category of immediate action as it involves the preparation of roster, anticipation of the vacant posts, making of an advertisement, scrutiny of applications, invitation letter to the shortlisted candidates by the giving reasonable period and conduct of interview, etc.
2. The meeting of the 33rd Meeting of the Academic Council was held on 12.10.2021 and the advertisements to various Teaching Posts had already

been made by the University. It clearly means that the University was well aware about the fact that the panel of experts is required to be placed before the Academic Council. If really, it was the bonafide intention to proceed as per the procedure established by law, the panel of the experts would have been got approved from the Academic Council on 12.10.2021 itself.

3. It is the wisdom of the circumstances which should prevail in such matter and as per the wisdom of circumstances, it was the first and foremost step required to be taken by the Vice-Chancellor to conduct the emergent meeting of the Academic Council, if so required in place of the exercise of the power under Section 11 (3) of the Central Universities Act, 2009.
4. Even if, there was an emergency, it could be only for a particular date of interview and the same can't continue for the months together.
5. The relevant provision i.e. Statute-18 of the Central Universities Act, 2009 dealing with constitution of the Selection Committee(s) for appointment to the post of Professor, Associate Professor and Assistant Professor respectively is reproduced as under:

For appointment to the post of Professor:

"Three persons not in the service of the University are to be nominated by the Executive Council out of a panel of names recommended by the Academic Council for their special knowledge of, or interest in, the subject with which the Professor will be concerned".

For appointment to the post of Associate Professor/ Assistant Professor:

"Two persons not in the service of the University are to be nominated by the Executive Council out of a panel of names recommended by the Academic Council for their special knowledge of, or interest in, the subject with which the Associate Professor and Assistant Professor will be concerned".

In view of the factual as well as legal position enumerated above, it is clear more than a crystal that there was a sufficient time to get the panel of experts recommended by the Academic Council and approved by the Executive Council, there was nothing like emergency. Otherwise also, there can't be any emergency which allow to deviate/contravene/violate/bypass the statutory procedure in the case of the appointments/employments in public services under the union and states.

It prima facie establishes the arbitrary, fanciful and oppressive decision of the Vice-Chancellor. If the Academic Council approves the agenda, it will be an endorsement to the illegal decisions of the Vice-Chancellor. Hence, I submit the note of dissent against the Agenda No. 12 of the 34th Meeting of the Academic Council.

Bij... 19/07/2021

HOD, Br...

Annexure-XI

Commerce Department <hodcommerce@cuh.ac.in>

Fw: Regarding Joining University

2 messages

Shivani Yadav <yadavshivani24@yahoo.com> Tue, Jan 18, 2022 at 9:26 AM
To: hodcommerce@cuh.ac.in
Cc: ravinderkaur@cuh.ac.in

Respected sir,

With reference to mail received from HOD Commerce (Central University of Haryana) on 7 December 2021 to complete the rest of the residential period of my Ph.D. by taking leave from the employer, so I have applied for the same.

Therefore, to complete my PH.D residential period I am joining the Department of Commerce, (CUH) on 18 January 2022 by taking Extra ordinary leaves for higher study purpose for 6 months from 18 January 2022 to 16 July 2022.

So, kindly allow me to join the department for the completion of my residential period.

Thanks & Regards.
Shivani Yadav
Research Scholar
Department of Commerce
Central University of Haryana, Mahendragarh

APPLICATION.pdf
2183K

HoD Commerce <hodcommerce@cuh.ac.in> Tue, Jan 18, 2022 at 2:19 PM
To: HOD Management <hodmanagement@cuh.ac.in>
Cc: Dr Ravinder Kaur <ravinderkaur@cuh.ac.in>, yadavshivani24@yahoo.com

Respected Sir,

Please do the needful in reference to trailing mail.

Thanks and Regards

अध्यक्ष ,

वाणिज्य विभाग

हरियाणा केंद्रीय विश्वविद्यालय

[Quoted text hidden]

APPLICATION.pdf
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SMT. SUSHMA SWARAJ GOVT. COLLEGE FOR GIRLS BALLABGARH

Ballabgarh, Faridabad, Haryana
☎ 0129-2303370 ✉ gcgballabgarh@gmail.com

Ref. No. : 2984

Date : 17-01-2022

RELEIVING ORDER

In Compliance with Haryana Civil Services Leave Rules, 2016 vide chapter-9 "Kinds of Leave Due & Admissible" Point no. 41 & 42, whereby Point No. 41 (i) states Extraordinary Leave not exceeding six months may be granted for any reason and as per Point No. 42 Head of the Department (Principal) is the competent authority to sanction Extraordinary Leave, Ms. Shivani Yadav, Assistant Professor in Commerce has been granted extraordinary leave (without pay) for Higher Studies purpose for the period of 6 months (18/01/2022 to 16/07/2022) to pursue Ph.D Programme (full time) in Deptt. of Commerce at Central University of Haryana, Mahendergarh.

So she is hereby relieved of her duties from this college today i.e. 17/01/2022 A.N.

Principal
Smt. Sushma Swaraj Govt. College for Girls
Ballabgarh

हरियाणा केन्द्रीय विश्वविद्यालय/Central University of Haryana
कुलपति सचिवालय/Vice-Chancellor's Secretariat

बैठक का कार्यवृत्त
Minutes of Meeting

The Hon'ble Vice-Chancellor had a meeting with the Committee consisting of Dean, Academic; Dean, SoET; Dean, SoE; Dean, SHSS; Dean, SIAS and; A.R., Academic, on 07.04.2022 at 11.30 a.m. in the Vice-Chancellor's Secretariat to discuss the proposals of starting the new programmes in various departments from the Academic Session 2022-23, as received by the Academic Branch.

Prof. Parmod Kumar, Professor, School of Education attend the meeting on behalf of Dean, SoE.

The proposal was discussed at length and the following decisions were taken:

1. **M.A. (Hindi Translation):** It was decided that the programme may be started from the Session 2022-2023. The four vacant posts out of seven in the Department of Hindi will be filled up very soon. Prof. Chanchal Sharma, Dean, SHSS, suggested that in order to start this programme, we need to have faculty proficient in both Hindi and English languages.

2. **M.Sc. Geoinformatics:** It was decided that the programme may be started from the Session 2022-2023.

3. It was resolve d to start integrated **B.Sc.(Hons.), M.Sc. Life Science** Programme with **M.Sc.** degree leading to M.Sc. in Nutrition Biology, Microbiology, Bio-Chemistry & Bio-technology. The first year of all of B.Sc. may have common courses.

4. It was decided that the following programmes can be started from the session 2023-24 after having sanction of adequate teaching posts and approval from the concerned Regulatory Body:

    a. **B.P.Ed. (2-Year)** Programme & **B.P.Ed. (4-Year)** Integrated Programme.

    b. **B.Tech.** in Electronics and Communication Engineering (Artificial Intelligence and Machine Learning).

5. **B.A. JMC:** Considering the fact that the Department do not have any regular faculty, it was decided that the proposal be deferred

6. **B.Sc. (Economics) (5-Year) Integrated Programme:** It was decided that a Committee may be constituted to prepare and submit the detailed proposal for consideration of the Competent Authority so that the programme can be started from the Session 2023-24.

7. Hon'ble Vice-Chancellor suggested that a new programme **M.Sc. (Data Sciences)** can be started. It was decided that a Committee may be constituted to prepare and submit the detailed proposal for consideration of the Competent Authority.

8. Prof. Chanchal Sharma, Dean, SHSS, suggested that **B.A. (Social Sciences)** 4-Year Integrated Programme can also be started. It was decided that a Committee may be constituted to prepare and submit the detailed proposal for consideration of the Competent Authority.

The meeting ended with vote of thanks to the Chair.

This is issued with the approval of the competent authority for compliance by all concerned.

सुन्दर लाल

सहायक कुलसचिव/Assistant Registrar
कुलपति सचिवालय/Vice-Chancellor's Secretariat

हरियाणा केंद्रीय विश्वविद्यालय
महेंद्रगढ़- 123031 (हरियाणा), भारत
नैक द्वारा 'ए'- ग्रेड प्राप्त विश्वविद्यालय

Central University of Haryana
Mahendergarh-123031(Haryana). India
NAAC ACCREDITED 'A' GRADE UNIVERSITY

Achieving Through Believing

क्रमांक / No. CUH/Reg.Off./2021/1293 दिनांक / Date: 13.09.2021

अधिसूचना/Notification

The Competent Authority of the University has constituted Research Promotion Board to promote research activities in the University, headed by Hon'ble Vice-Chancellor, Prof. (Dr.) Tankeshwar Kumar, with immediate effect until further order. The other composition is as under:

1.	Dean Research	-	Convener
2.	Director CIC	-	Member
3.	Dr. Chanchal Kumar Sharma Department of Political Science	-	Member
4.	Dr. Suneel Kumar Department of Physics & Astrophysics	-	Member
5.	Dr. Pawan Kumar Maurya Department of Biochemistry	-	Member
6.	Dr. Kalpana Chauhan Chemistry under SOET	-	Member
7.	Dr. Surender Singh Department of Microbiology	-	Member
8.	Dr. Ranjan Aneja Department of Economics	-	Member
9.	Dr. Ajay Kumar Department of Management Studies	-	Member
10.	Dr. Rajeev Menon Department of Chemistry	-	Member
11.	Dr. Devender Kumar Department of Statistics	-	Member

13/9/21
कुलसचिव (प्रभारी)/
Registrar (I/c)

Copy to:

1. Vice-Chancellor's Secretariat (for kind information of the Vice-Chancellor), CUH.
2. Deans/HoDs/TICs/Administrative Heads, CUH.
3. All teaching faculty of CUH.
4. All the members of Research Promotion Board, CUH.
5. In-charge, ICT Section (for uploading to the website of the University), CUH.

13/9/21
कुलसचिव (प्रभारी)/
Registrar (I/c)

हरियाणा केंद्रीय विश्वविद्यालय
संसद के अधिनियम 25 (2009) के तहत स्थापित
नैक द्वारा 'ए' ग्रेड प्राप्त विश्वविद्यालय
महेन्द्रगढ़ – 123031 (हरियाणा), भारत

CENTRAL UNIVERSITY OF HARYANA
Established vide Act No. 25 (2009) of Parliament
NAAC Accredited 'A' Grade University
Jant-Pali, Mahendergarh (Haryana)-123031

प्रो० (डॉ०) टंकेश्वर कुमार, कुलपति

Prof. (Dr.) Tankeshwar Kumar, Vice - Chancellor

क्रमांक / No. CUH/VCS/2021/158

दिनांक / Dated: 27.09.2021

The first meeting of the Research Promotion Board which was held on 20.09.2021, the following decisions and the action envisaged are given below:

1. All faculty members, especially Professors and Associate Professors, may be advised to write research review articles.

   Action: Dean Research.

2. A seed grant be introduced in the University for newly inducted faculty members. After a thorough deliberations, it was decided that a grant of Rs. 1,00,000/- will be provided to the new faculty, out of which the concerned faculty may set up his/her office/equipments/computer for enabling him/her for doing research activities within a time-bound manner.

   Action: Finance Officer

3. It was decided that Rs. 20,00,000/- be earmarked as Research Grant for internal projects to be awarded to the faculty members. Research projects will be allotted to the faculty members on the recommendation of the RPB.

   Action: Finance Officer

4. It is expected that every faculty member of the University will publish at least two research articles in a year in reputed peer reviewed journals. The journals may be Scopus-indexed wherever applicable.

   Action: Dean, Research

5. One faculty member from each department shall be awarded for publishing best research article of the year, apart from the existing awards instituted by the University. The RPB may decide the criteria for the said awards. These awards will be presented on Annual Day of the University in February each year. Submissions will be invited from all the departments for consideration

of the conferment of Best Paper award by the RPB. The selection will be made based on the quality standards determined by the RPB.

Action: Convener, Research Promotion Board

6. It was also decided that on the recommendation of the RPB, faculty members may be considered for payment of publication charges for converting 'toll access' articles published in prestigious journals to 'open access' – (subject to the availability of grant), by the University on case to case bases for publishing such articles in reputed journals.

Action: Vice-Chancellor on the recommendation RPB

7. It was decided that once a year travel grant, by air/rail/road as per the eligibility, will be provided to each faculty member who is presenting paper orally in Seminars/Conferences conducted by reputed Universities/ Institutions of national importance/societies/professional bodies, on the recommendation of the RPB.

Action: Vice-Chancellor on the recommendation RPB

8. It was decided to start a popular lecture series will be conducted by the RPB by inviting eminent scientists/scholars from India or abroad. A list of such potential invitees may be prepared by the RPB for finalization and approval of the names by the hon'ble Vice-Chancellor.

Action: Convener, Research Promotion Board

9. Further, it was decided to advise faculty/scholars of the University to avoid publishing papers/articles in bogus/predatory journals.

Action: Dean/Head of the School/Department concerned

10. It was decided that the University will prioritise few areas of local and national societal relevance for advanced research in due course based on the SWOT analysis of the faculty and the existing facilities.

Action: Convener, Research Promotion Board in consultation with Deans of Schools

11. The University shall strive towards spreading the research output of the faculty/scholars through technological tools/social media or any other platform where scholars/professionals are actively participating. The roadmap for the same may be designed by Dr. Santosh C H, University Librarian.

Action: Director, Publication Division/PRO/Head, Department of Journalism & Mass Communication

12. It was also decided that in each department there may be a research notice board and book shelf for keeping one copy of book/article published by the faculty of that department for students and others to read.

Action: Head of the Department concerned

13. In order to provide information to the potential students, the profile of the faculty members may be updated and a common platform may be designed for the same.

Action: Dr. Santosh C H, University Librarian, Dr. Surender Singh, Associate Professor, Department of Microbiology and Dr. Ajay Kumar, Assistant Professor, Department of Management Studies will jointly develop a proforma for faculty profile to be updated on the University's website. In Charge, ICT Section to facilitate initial uploading and subsequent updation.

14. In view of the problems faced by the Principal Investigators (PIs) in managing and carrying out their Research Projects (sponsored or externally funded), it was decided that a Research Project Grant Section will be established. This Section will facilitate the management of RPs and assist PIs to ensure that the entire process from award of the Project to its completion is swift and hassle free.

Action: Registrar shall allocate space for the same and will instruct the concerned branch to assign the responsibility of Research Project Grant Section to suitable Official/Employee of the University

15. In order to purchase laboratory items/chemicals from foreign countries, need of a FedEx account was raised and it was decided that the same will be opened by the University Store and Purchase Department.

    Action: Estate and General Administration Branch

16. The issue of uninterrupted power supply in the Academic Block-I was considered by the Board. It was decided that the Academic Block-I shall have proper standby power supply in each laboratory, apart from the main power supply and the D.G. set. Few dedicated points for - 80^0C deep freezer and - 20^0C deep freezer will be ensured for precious chemicals and resources.

    Action: The Infrastructure Branch shall prepare a plan accordingly and submit it to the Estate and General Administration Branch within 10 days for purchasing of necessary equipments/allied items and the plan shall be implemented at the earliest by the Infrastructure Branch for providing three layer of standby power supply for the scientific equipments installed in the laboratories of Academic Block-I.

The Action Taken Report (ATR) with regard to all the points mentioned above, shall be submitted by the concerned School/Department/Branch/Section/Official to the undersigned within next 15 days and the Convener, RPB shall call for a meeting on receipt of the ATR under the Chairpersonship of Vice-Chancellor.

T.K
27/9/21

Chairperson
Research Promotion Board

Copy to:

1. Convener Research Promotion Board, CUH
2. Dean Research, CUH
3. Deans/Heads of all Schools/Departments, CUH
4. Registrar, CUH
5. In Charges of all Admn. Branches/Sections, CUH

Guidelines for Sponsored Research Projects

(CENTRAL UNIVERSITY OF HARYANA)

Allotment of Project Code Number and Opening of Project Account in Bank

1. Once the PI or the funding agency informs the Vice-Chancellor (who will forward the matter to the Finance Officer through the Registrar) that the Project has been sanctioned and funds are likely to arrive soon, a proactive effort from the Finance Branch is required to track the arrival of funds in the bank and inform the PI so that work can start immediately.
2. If the funds are received in university bank account and not released through PFMS then a new Project Account needs to be opened in Bank and the amount of grant needs to be transferred to that Project Account after transferring the Overhead Charges to the university Receipt Account. If the funds are released through PFMS then there is no need of opening of Project Account in bank and thus no need of transferring the funds from PFMS.
3. On receipt of Sanction Letter from the funding agency, the Finance Branch will allot a project code number and communicate the same to the PI and other concerned offices within a week. This number must be referred to in all correspondence relating to the project. At the time of communicating the Project Code Number to the PI, the other details required by the PI for opening of Project Account such as RTGS/IFSC, PAN etc. duly verified by the concerned officer/official shall be provided to the PI by the Finance Branch.

4. The effective date of implementation of the project shall be the date of first expenditure in the project or as defined by the funding agency.
5. Any expenditure incurred prior to the allotment of Project code number and after the expiry of tenure of the Project shall not be admissible unless permitted by the funding agency.
6. The expenditure incurred after the date of starting of the project shall be recorded immediately in the Project Register/Software, so as to generate Utilization Certificate within three days when required.

Project related Appointments

Advertisement

1. All positions approved by the funding agency under the project will be filled in after due advertisement at the university website and through notifications about the vacancy/vacancies sent to at least 10 reputed institutions of the country in the relevant discipline. All advertisements must also be displayed on Department/School notice boards.
2. The PI should draft the advertisement for staff positions available under the project following the guidelines of the university and the funding agency.
3. The minimum qualifications for Scientific staff or Project Assistant/any other equivalent post under the project will be in conformity with those required by the funding agency and the university. For support staff, the qualifications and

remunerations will in general be as per the comparable support staff positions in the university or as per outsourcing policy of the university, unless otherwise specified by the funding agency in the sanction letter.

4. The PI will provide the notification to the PRO Office for forwarding the same to the Computer Centre for placing it on the university website.
5. Twenty-one days' time should be given for submission of application form from the date of advertisement on university website. The date from which 21 days will be counted should be indicated in the advertisement.
6. The applications may be received by e-mail also.

Selection of Research Staff (RA/SRF/JRF etc.)

1. If the Funding Agency has laid down specific guidelines with regard to the composition of Selection Committee, the same should be invariably followed otherwise all appointments will be made by a Selection Committee called Project Appointment Committee (PAC) which shall consist of the following:
    a. PI - Chairperson,
    b. Co-PI (if any) - member
    c. Head of the Department - member; and
    d. One expert to be nominated by the Vice-Chancellor.
2. All appointments on the approved research staff positions under a project will be made through interview.
3. Short-listing of applicants to be called for interview will be made

by the PI (and Co-PI, if applicable) and a précis of candidates called for interview will be prepared as given in **Annexure - 2**. No TA/DA will be payable to candidates appearing for interview, unless specifically provided for under the project/scheme.

4. Proceedings of the Project Appointment Committee (PAC) meeting will be recorded as per proformas in the **Annexure - 3** & **4**.
5. Soon after the meeting of the Project Appointment Committee (PAC), the PI will issue a provisional appointment letter as given in **Annexure - 5** to the selected candidate/s, following which the PI will forward the copies of the following documents to the Finance Branch/Research Grants Section.
    a. Full advertisement placed on University website.
    b. Selection committee proceedings.
    c. Two copies of the appointment letter issued to each of the staff.
    d. Mark-sheets, Experience and other relevant documents of the selected candidate/s.
    e. Two copies of the Joining Report (as per **Annexure - 6**) of each of the personnel appointed under the project.
    f. Two copies of the précis showing the bio-data of the candidateswho had applied for the position/s.
    g. All the academic records including CVs and degrees/certificates of the selected candidate(s) should be maintained by the PI.
6. The tenure of the positions sanctioned in the project will be for the period as stipulated in the sanction letter beginning with the actual

date of joining, but not before implementation of the project, till termination of the Project. However, the selection committee, based on the request of PI may make appointments for a shorter but definite period, generally not less than six months. This may be extended by the Dean (Research), based on the recommendation of the PI, beyond six months for the duration of the project i.e. co-terminus with the project. The University will not be responsible for any liability of the project staff beyond the duration of the Project.

7. Appointment of the above staff will be purely on temporary basis and the appointed staff will have no claim for regular appointment in the University on the termination of project.
8. The fellowship shall normally terminate on completion of its tenure or from the date the Fellow resigns and his/her resignation has been accepted by the PI. The Fellowship may be terminated by the funding agency on the recommendation of the PI. The fellowship may also be terminated if the Faculty/Department refuses to continue to provide facilities to the fellow on disciplinary grounds. Same will apply to other staff appointed in the project.
9. If a research staff leaves the project without permission, the stipend due at any time shall not be paid to him/her, till all dues are cleared and certified by the PI.

Settlement of bills related to Salary/Fellowship/Wages

1. The PIs will have financial power equivalent to that of Head of the Department and same rules as amended from time to time shall be applicable.
2. The payment of bills of salary and clearance of accounts is one of the most important aspects of smooth running of Projects. If Finance Branch has procedural objections to a bill, it should be returned to the PI within 7 days. Bills which are in order should be cleared and the whole process including the payment should be completed within three weeks of submission of the bills to the Finance Branch. If the bill is not settled within three weeks from the date of submission of valid bills/documents, the PI should report the delay in payment to the Dean (Research)/Vice-Chancellor.
3. Claim for TA/DA for project related travel by the PI/Co-PI/ other project staff will be made as per the relevant rules.
4. If funds are received through Public Finance Management System (PFMS) then all the payments should be processed through PFMS only.
5. For release of first Salary/Fellowship/Bill, attested copies of the following documents must be submitted by the PI to the Finance Branch along with the first Salary/Fellowship/Wages Bills:
    a. Proceedings/Minutes of Meetings of the Project Appointment Committee (PAC).
    b. Advertisement uploaded on the website of the university.

c. Appointment Letter/s issued to the Research Staff/Non-Teaching Staff appointed by PAC.
d. Joining Report submitted by the Research Staff/Non-Teaching Staff.

6. For settlement of subsequent monthly bills, the attested copies of the following documents must be submitted by the PI to the Finance Branch:
    a. Monthly Progress Report of the Research Staff/Non-Teaching Staff hired for Project.
    b. Monthly Attendance Record.

Purchase Procedures

1. On receipt of the first installment of the project grant from the funding agency, the PI will inform the Finance Officer about the breakup of the received grant under different budget heads, unless already indicated by the funding agency. On receipt of subsequent grants also, the PI shall intimate the breakup to the Finance Officer.
2. Re-appropriation of Funds from one approved item to another will be permitted in the light of specific guidelines of the Funding Agency. PI may also re-appropriate funds (if funding agency does not prohibit this) up-to an extent of 20% from one head to the other, except the non-consumable grant available under the project.
3. All purchases of non-consumable and consumable items and other expenses should be made strictly in accordance with the terms and conditions of the funding agency and as per the GFR 2017 and its amendments/additions from time to time.

4. It will be the responsibility of the PI to maintain proper a) Stock/Inventory Register (Consumable and Non-Consumable, as applicable) b) Job Register and Dispatch /Dairy Registers as required for each project. These registers are also to be maintained at the university level by the General Branch/Stores of the university.
5. All purchases shall be handled and supervised by a committee called the " **Project Purchase Committee (PPC)**" for each project. If the funding agency provides provision for constitution of PPC then committee shall be notified as per guidelines of the funding agency otherwise the committee shall be notified as per following composition specified by the university.
6. **Composition of Project Purchase Committee (PPC) to handle purchases (above value of Rs. 25,000/-) including purchases through GeM, Quotations and Limited Tender Process:**

1	Principal Investigator (PI)	Chairperson
2	Co-Investigator/s (if any)	Member/s
3	Head of the concerned Department	Member
4	One Teacher working in relevant/allied area (nominated by PI)	Member
5	Finance Officer's Nominee (one out of a Panel of Officers of the university above the rank of Section Officer or from among	Member

	teachers well versed with GFR-2017 & its amendments/additions/deletions provided by FO to the Hon'ble Vice-Chancellor)	

7. **Composition of Project Purchase Committee (PPC) to handle purchases under Open Tender Process:**

1	Principal Investigator (PI)	Chairperson
2	Co-Investigator/s (if any)	Member/s
3	Head of the Department	Member
4	One Teacher working in relevant/allied area (nominated by PI)	Member
5	Registrar's Nominee	Member
6	Vice-Chancellor's Nominee (outside the concerned Department)	Member
7	Finance Officer's Nominee (one out of a Panel of Officers of the university above the rank of Section Officer or from among teachers well versed with GFR-2017 & its amendments/additions/deletions	Member

	provided by FO to the Hon'ble Vice-Chancellor)	

8. The Project Purchase Committee (PPC), proposed by the PI and approved by the Vice-Chancellor through Dean (Research) shall be constituted every financial year and the Finance Branch shall be informed about the same by submitting a copy of the relevant notification along with signatures of the Committee members.
9. The PPC shall be responsible to frame the technical and financial specifications for purchase of items through GeM, Quotations, Tender Process etc. and it shall specifically recommend the mode of purchase (GeM/Local Market/Rate Contract/Tender).
10. Consumables may be purchased on the basis of rate contracts approved by the University. One copy of Catalogues/Approved Rate List shall be kept in each of the Finance Branch, Office of the Internal Auditor and Office of PI for ready reference so that the same is not carried from one place to another place.
11. In case of consumables for which rate contracts are not available, the purchase may be done by the PPC if the value of purchase on single occasion is above Rs. 25,000/-.
12. Purchase of item/s up to Rs. 25,000/- can be made by the PI/Co-PI on single occasion without calling quotations and pre-approval subject to overall annual limit of cumulative amount of Rupees One Lakh. The overall annual limit of cumulative amount of Rupees One Lakh may be increased in case of emergent situations with the approval of Hon'ble Vice-Chancellor.

13. Panel of multiple officers/officials may be authorized by the Vice-Chancellor to place purchase orders or float tenders through GeM to avoid delay in placing orders or floating tenders.
14. The PIs/Co-PIs be given access to GeM to enable them to search items related to their project/s on GeM to reduce the time involved in purchase process.
15. The concerned officer/official responsible for operating the GeM Account shall provide the No-availability Certificate to the PPC/PI without any delay in case the required item is not available on GeM.
16. Supply/Purchase Order shall be signed by the PI after scrutiny of the Tender Documents/Quotations obtained from various suppliers. The orders shall be normally placed with the supplier whose quotations are the lowest, unless for some technical reasons which should be clearly stated and defended by the PPC. In case of any discrepancy, the matter shall be referred to the Vice-Chancellor through Dean (Research) and his/her decision shall be final.
17. Advances will be paid to the PI by cheques drawn in favour of the PI or in favour of the claimant as necessary. The PI will be responsible for rendering the account of such advances. The accounts of advances taken should be rendered within the period of 30 days from the date of drawing the advance. However, this shall not apply in cases of LCs where the money is always with the bank. LCs should be cleared within 30 days of receipt of equipment/material.
18. In case of advances, Proforma Invoice shall be submitted along with request for advance.

Inspection of Purchased Items and Maintenance of Stock Registers

1. The procured items shall be inspected by the PI and Department Council of the concerned Department as per the Purchase Order. If the delivery is found deficient in regard to any of the items covered by the check list, the PI/relevant officer will return the order for compliance. Further, clarifications about any relevant point which is not covered under the check list can be enquired from PI to expedite the process. The reply provided by the PI will be recorded by the relevant office and the matter expedited and cleared within 7 days.
2. Necessary entries of Items (Non-consumables as well as Consumables) examined and accepted by the PI, Inspection Committee, shall be made in the Stock Registers – Master Stock Registers maintained by E&GA Branch and Project specific Stock Registers maintained by PI.
3. The PI shall maintain a register showing inventory of stock and store register etc. in their offices. The inventory register shall interalia indicate the serial number, total number of pages of each register, commencement date and to whom issued duly authenticated by the PI concerned.
4. The bills of supply with Stock Register Entries and GFR Certificate shall be endorsed by the Store Keeper, PI, PPC and Inspection Committee.
5. Each Department should have separate stock register for assets, accession, consumable and non-consumable articles. It will also include the project's assets and consumable articles.

6. Separate account on separate page should be opened for each article purchased with full particulars unless the transactions in respect of articles are small in number, in which case a page may be utilized for recording receipts and issue for more than one article provided the accounts in respect of different articles are not mixed up on that page.
7. All entries in the Stock Registers should be signed by the PI and concerned staff of E&GA Branch.
8. Physical verification of stock should be conducted at least once in a year; the result thereof should be reported to the Finance Officer for onward information to the Registrar.
9. Equipment purchased specifically for each project will be the property of the University on the termination of the project unless the sponsoring body desires otherwise.
10. On every major item procured out of Projects funds, the following information should be written on the front side of equipment for easy identification in future: -

    Name of PI:

    Funding Agency:

    Project Code:

    Cost of Equipment:

    Date of Purchase:

Payment of Bills

1. All bills for payment (including advance bill for opening LC and other advance bills e.g. for clearing the items from customs etc.)

relating to various purchase orders will be signed and submitted by the PI to the Finance Branch duly completed in all respects for payment. If the Finance/Audit has some objections, the same may be communicated to the PI/PPC within 3 days of receipt of the bill and clarifications may be submitted within another 3 days. The bills shall, generally, be passed for payment within a maximum period of 7 days.

2. After release of payment to the vendor, the Finance Branch shall inform the concerned PI that the payment of an amount 'X' has been released to Vendor 'Y' against Bill No. 'Z' so that PI can update his/her record accordingly.
3. If funds are received through Public Finance Management System (PFMS) then all the payments should be processed through PFMS only.
4. The PI should ensure to carefully check the following Checklist before submission of the Bills to the Finance Branch:

CHECKLIST for submission of Bills for Payment

i. Stock/Inventory Register entry, GFR certificate, signature of storekeeper/PI/PPC/Inspection Committee with Seal and Date have been provided on the bills [GFR-2017 Rule 208 (ii)].
ii. The supplier's bill in GST Invoice/Bill of Supply (as the case may be) attached.
iii. Purchase order with details of items required, rate, quantity, proper specification and total amount along with proper terms and conditions.
iv. The supplier's bill is in accordance with the purchase order.

v. In case of advance bill, details of advance/adjustment/purpose etc. should be mentioned properly and necessary entry should be made in the advance register.

vi. In case of GeM procurement, GeM generated comparative statement, copy of the contract, copy of the GST invoice, CRAC (Consignee Receipt and Acceptance Certificate) are enclosed. Signatures of PPC on each of the submitted documents with seal and date [GFR-2017, Rule-149 (vii)]

vii. In case of proprietary procurement/single tender enquiry, the specific proprietary certificate from the manufacturer duly stamped and signed, with date by the PI with the approval of PPC is enclosed [GFR-2017, Rule 166].

viii. In case of equipment, Installation Certificate is enclosed. The details of place (Room/Hall No., Floor No. and Building No. etc.) of installation of equipment must be mentioned in the Installation Certificate.

ix. Copy of sanction letter is enclosed.

x. Minutes of all meetings of PPC for purchase of the concerned item.

xi. List of specification of items framed by the PPC/PI for purchase of items through GeM/Quotation.

xii. No Availability Certificate duly signed by the authorized GeM Buyer/User and PPC in case if the item/s is/are not available on GeM.

xiii. Original quotations, bearing signatures with date, submitted by at least three suppliers.

xiv. Comparative statement of at least three quotations, in case the value of item/s is above Rs. 25,000/-.

xv. Recommendation of the PPC to issue purchase order in favor of Lowest Bidder (L1).

xvi. Any cutting and overwriting should be strictly avoided; further, if any cutting/overwriting, due to unavoidable circumstances, it must be countersigned by the PI with date.

xvii. In case of Limited Tender: Tender has been invited from more than three or more approved registered vendors of repute and all are GST registered. GFR-2017 (Rule 162(i)].

xviii. The Tender documents are dispatched properly as per directive of GFR-2017 [GFR-2017 (Rule 162(i)].

xix. Envelopes and all the bid documents are stamped & signed with date by PI.

xx. The comparative statement is properly prepared with respect to the details of specification of items, terms and conditions of the bidders, specific recommendation of the PPC along with their signature and date [GFR-2017 (Rule 203)].

xxi. Purchase order is prepared (in triplicate – one for Supplier, one for Finance Branch and one for PI's record) properly with specifications of the items being ordered, Terms and Conditions, quantity, rate and total amount. If any cutting has occurred, it has been countersigned and sealed by PI.

xxii. Signatures of the PPC have been obtained on first and second pages of the Purchase Order as required together with the name of the members.

xxiii. Requisite undertakings, EMD and Performance Security/Guarantee are enclosed.

xxiv. EMD Exemption Certificate from Micro & Small Enterprises (MSEs).

xxv. Expression of Interest/Letter of Intent, Agreement, Notice Inviting Tender and Tender Documents are attached.

xxvi. Evaluation method for evaluation of Bids, Non-Disclosure/Confidentiality Clause, Penalty Clause, Exception Handling Clause, Deficiency Clause etc. should be mentioned in Tender Documents and/or Purchase/Work Order.

xxvii. Under two stage of bidding through either e-tendering or Limited Tender Enquiry: A copy of Technical Evaluation Report duly signed by the Technical Evaluation Committee as per purchase procedure is enclosed [GFR-2017 (Rule 163)].

Annual Statement of Expenditure and Utilization Certificate.

The PI should prepare the statement of expenditure and utilization certificate of every project as per the time schedule prescribed by the funding agency. The same may be sent to the Finance Branch within 15 days of the said date for confirmation/reconciliation for onward transmission to the funding agency, or vice-versa. The Finance Branch shall obtain the Bank Statement and Interest Statement from the Bank if Project Account is maintained in Bank otherwise the Finance Branch shall generate PFMS Statement of the PFMS Account and provide the same to the PI to facilitate him/her to prepare the Utilization Certificate/Statement of Expenditure.

Management of Overhead Charges

100% of the overall overhead charges shall be transferred to the Receipt Account maintained in Bank by the University towards the development fund or for paying the University utilities bills and engaging required contractual/outsourced staff for the efficient maintenance of the project accounts. The expenditure under this head may be allowed to PI/Co-PI on

case to case basis with the recommendation of Dean (Research) and approval of the Vice-Chancellor.

Interim progress and accounts report of the Project

The PI should prepare the Progress report along with the settlement of accounts which should be submitted to the concerned official in Finance Office looking after the project who would verify it within a week of submission of the accounts. On verification of accounts, the reports and accounts with a forwarding letter should be returned to the PI for onward transmission to the funding agency. Any minor discrepancy should be solved mutually. In case of any major discrepancy, the PI should approach the Dean (Research)/ Finance Officer to get the matter sorted out.

Annexure – 1

Undertaking by the PI/Co-PI

I/We undertake and certify that

1. This is an original research proposal which has not been simultaneously submitted to any other agency.
2. Proposal has been prepared as per the format prescribed by the funding agency.
3. Clearances, if applicable, from the relevant Committees (Ethical Committee/ Bio- safety Committee/ Animal Ethical Committee) have been obtained and attached with the proposal/ will be obtained before the project gets started and the relevant certificates will be submitted to the authorities in the University and the funding agency.
4. General Infrastructure and related facilities are available in my/our laboratory in the department.
5. The implementation of the project proposal would not involve additional space or other special requirement in the department.

OR

Implementation of the project proposal requires additional space or other special requirements as specified here, and these have already been discussed with competent authorities and the required approval/s has/have already been obtained.

6. I / We will abide by all the rules and regulations of the university and the funding agency for implementing the project effectively.

7. Overhead/Institutional Charges have been included in the proposal.

Name/s and Signature/s of PI and Co-PI, if any

Forwarding by

Head of Department Dean of School Dean, Research

Annexure - 2

Proforma for Précis

Summary of the candidates called for interview:

Post of _____

under Project entitled _____

Project Code No. _____

Department of _____, School of _____,

vide CUH Advertisement No. _____

1. Number of Applications received: _____
2. Minimum Qualification prescribed for calling for interview: _____
3. Number of Candidates called for Interview: _____

S. No.	Name & Address	Whether SC/ST/OBC/EWS/PWBD	Sex	Date of Birth	% of marks, year of passing and name of Board/University				Research Experience	Remarks
					10+2	U.G.	P.G.	NET/JRF/SRF		

Annexure – 3

PROFORMA FOR PREPARATION OF MERIT INDEX OF CANDIDATES BY MEMBERS OF THE SELECTION COMMITTEE

S. No.	Name of the candidate	Assessment of experts in respect of candidate	Marks obtained	Remarks

SIGNATURE OF MEMBERS:

Annexure – 4

PROCEEDINGS OF THE SELECTION COMMITTEE

Minutes of the meeting of Project Appointment Committee (PAC) held at _____AM/PM on _____ in the office of _____, Department of _____, CUH, to select _____ (Post) for the Research Project entitled _____ (Project Code No.)_____.

The following members were present:

1.

2.

3.

4.

5.

6.

For the post of_____,_____candidates were called for the interview, out of which _____ turned up. The members of the Project Appointment Committee thoroughly examined the candidates and after due consideration resolve to recommended that:

Dr./Ms./Mr./_____is recommended for temporary appointment as_____. The appointment is co-terminus with the Project.

Signature of the members:

Annexure – 5

PROFORMA FOR PROVISIONAL APPOINTMENT LETTER FOR RESEARCH/CONTRACTUAL POSITIONS

Ref. No. _____ Date:

To

_____

_____

_____

Subject: Engagement of _____ under the sponsored project _____.

Reference: Your application dated _____

Dear Sir/Madam,

On the recommendation of the Project Appointment Committee which met on _____, you are **provisionally** engaged on a Job Contract basis, as____ _____on emoluments of **Rs.** _____(Rupees _____ only) per month, on thefollowing terms and conditions: -

1. The engagement is for the above mentioned externally funded Project only, and is not transferable to any other Project.
2. The Contract is for the duration of the said project and co-terminus with it, or for a period not exceeding months/years, whichever is earlier. However, the initial engagement will be for a period of six months, extendable from time to time depending upon your performance.
3. It is not an appointment in Central University of Haryana, temporary or otherwise. It is purely a job contract for the period as stipulated in clause 2 above. It does not, therefore, confer any right, claim, implicit or explicit, for your continuation/regularization/absorption in CUH against any post/position.
4. The Contract may be terminated at any time without assigning any reason therefore.
5. No traveling allowances will be paid to you either for undertaking the contract, or on termination of the same.
6. Your engagement on contract will be subject to the production of the following documents at your expense at the time of your reporting for duty:
    i. Medical certificate of health and physical fitness for the contract issued by any registered Medical Practitioner.

ii. Documentary evidence in support of your date of birth, qualification and caste etc.

7. In case, it is detected at any stage that you have committed any fraud or forgery in seeking this contract, your contract shall be immediately dispensed with, without any notice.

8. Your contract shall be subject to the terms and conditions that may be framed from time to time as per the requirement of the research work.

9. You are required to give an undertaking to the affect that the above-mentioned conditions are acceptable to you and you shall abide by them. Any violation shall attract termination of contract without any notice.

10. In the event of any dispute arising out this contract, the decision of the Vice- Chancellor, CUH shall be final and binding on you.

If you are willing to accept the above offer of contract on the terms and conditions stipulated, you may please commence the work immediately and in any case, within a fortnight from the date of receipt of this letter failing which the offer will automatically stand cancelled.

This provisional engagement is subject to approval by the competent authority.

Yours faithfully,

(Principal Investigator)

Ref. No. **Date:**

Copy to the following for information and necessary action.

1. The Head of the Department of _____
2. The Dean, Research, CUH
3. The Registrar, CUH
4. The Finance Officer, CUH

(Principal Investigator)

Annexure – 6

JOINING LETTER

Date:

From:

_____

_____

_____

To

The Principal Investigator/Co-PI

Title of the Project _____
Department of _____

School of _____

Central University of Haryana

Subject: Joining report for the post of___under the Project entitled _____ Project Code No. _____

Sir,

Thank you very much for your letter No._____dated _____regarding appointment as _____under the Project entitled

"_____" Project Code No. _____.

I accept all the terms and conditions mentioned in the appointment letter and hereby report on duty w.e.f. _____(F.N./A.N.) and request you to do the needful as per University rules.

Thanking you,

Yours faithfully,

_____

ज्ञान-विज्ञान विमुक्तये

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)
बहादुरशाह जफ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
Ph.: 011-23236288/23239337
Fax : 011-2323 8858
E-mail : secy.ugc@nic.in

सचिव

Secretary

F.No.1-10/2020(CPP-II) **December, 2021**

01 DEC 2021

PUBLIC NOTICE

Extension of date for submission of thesis for terminal M.Phil./Ph.D. Students

In continuation to UGC Public Notice dated 16th March, 2021 on the above mentioned subject, and keeping in view the larger interest of the research scholars, a further extension of six months beyond 31.12.2021, i.e., till 30th June 2022, for submission of thesis by M.Phil./Ph.D. students may be granted by the Universities. It is also notified that the extension for submission of M.Phil./Ph.D. thesis till June, 2022 shall be applicable to all such students whose due date of submission of M.Phil./ Ph.D. thesis is on or before 30.06.2022.

Extension of six months, as mentioned above, may also be granted for submitting evidence of publication and presentation in two conferences. However, tenure of fellowship will remain upto five years only.

(Rajnish Jain)

Anneuxre-XVI

उत्तर क्षेत्रीय समिति
राष्ट्रीय अध्यापक शिक्षा परिषद्
(भारत सरकार का एक विधिक संस्थान)

गुरूर्गुरूतमो धाम
NCTE

Nothern Regional Committee
National Council for Teacher Education
(A Statutory Body of the Government of India)

TO BE PUBLISHED IN GAZETTE OF INDIA PART–III, SECTION 4

No.F./NRC/NCTE/HR....- M.P.Ed./342nd (Virtual) Meeting/2021/ 215666

Dated: 16 SEP 2021

RECOGNITION ORDER

WHEREAS in terms of Section 14(1) of the NCTE Act, 1993, the institution had submitted application offline on **10.07.2020** to the Northern Regional Committee of NCTE for grant of recognition/permission for M.P.Ed. Programme.

2. AND, WHEREAS on scrutiny/perusal, veracity of the facts & figures as per the application submitted by the institution, the documents attached therewith, the affidavit and the input received from the visiting team in the form of visiting team report including videography and also the reply submitted by the institution in compliance to the decision of clause 7(13) of the NCTE Regulations, 2014, as amended from time to time the Northern Regional Committee having satisfied itself that the institution fulfils the requirements under the provisions of NCTE Act, Rules and the extant Regulations including the Norms and Standards for the proposed Teacher Education course, such as, instructional facilities, infrastructural facilities, library, accommodation, financial resources, laboratory, etc. for running the course and has selected/appointed qualified teaching staff as per norms duly approved by the affiliating body, decided to grant recognition/ permission to the institution in its **342nd (Virtual) Meeting held on 03rd September, 2021** for M.P.Ed. course.

3. NOW, THEREFORE, in exercise of the powers vested under Section 14(3)(a) of the NCTE Act, 1993, the Northern Regional Committee hereby grants recognition/permission to the following institution for conducting Teacher Education programme with an annual intake mentioned against its name from the **CURRENT academic session** under clause 7(16) of NCTE (Recognition Norms & Procedure) Regulations, 2014, as amended from time to time, subject to fulfilment of the conditions mentioned below: -

Sl. No.	File No.	Name and address of the Institution	Course	Duration	Approved annual intake	Name of the Affiliating Body
1.	HR...	Central University of Haryana, Plot no.-931/1167, Door/Plot No.-Khewat No.-250, Khatoni no.-380-470, Village-Jant-pali, Post office-Pali, Tehsil-Mahendergarh, District-Mahandergarh, Haryana.	M.P.Ed.	2 Years	One Unit (40)	Central University of Haryana, Mahandergah, Haryana.

4. The other important details of the institution are as under: -

Name of the Sponsoring Society	Central University of Haryana, Door /Plot No.-250, Khatoni No.-380 to 470, Village-Jant Pali, Post office-Pali, Tehsil-Mahandergarh, District-Mahandergarh – 249401, Haryana.
Phone Number / E-mail address of the institution	9977330947 registrar@cuh.ac.in

Contd.2/.....

कार्यालयः जी-7, सैक्टर-10, (नियर सैक्टर-10 मैट्रो स्टेशन) द्वारका, नई दिल्ली-110075
कार्य क्षेत्र : उत्तर प्रदेश, उत्तरांचल, दिल्ली, हरियाणा, पंजाब चण्डीमढ़, हिमाचल प्रदेश, [redacted]
फोन : 011-20892154

Office : G-7, Sector-10, (Near Sector-10 Metro Station) Dwarka, New Delhi-110075
Jurisdiction : U.P.,Uttranchal, Delhi, Haryana, Punjab, Chandigarh, H.P., Rajasthan
E-mail : nrc@ncte-india.org Website : www.ncte-india.org

AR-Academic for Record pl. 28/9

Diary No. 153
Dated: 29/09/2021
Academic Section

कुलसचिव कार्यालय, हरियाणा केंद्रीय विश्वविद्यालय
Registrar Officer, Central University of Haryana
प्राप्ति सं/ Receipt No. 9912
दिनांक / Dated 27.09.21/29.09.21

5. **The institution shall adhere to the fulfillment of the provisions of the NCTE Regulations, 2014, as amended from time to time, and ensure the following before commencement of the session: -**

(i) The institution shall comply with various other norms and standards prescribed in the NCTE Regulations, as amended from time to time.

(ii) The institution shall make admissions only after it obtains affiliation from the examining body in terms of Clause 8(10) of the NCTE (Recognition Norms & Procedure) Regulations, 2014.

(iii) The institution shall comply with condition laid down in clause 8(3) of the NCTE Regulations, 2014, as amended vide Notification on 29.04.2017 which provides as under: -

- ***An institution, which has been recognised by the Council shall obtain accreditation from an accrediting agency identified by the Council within five years of the date of recognition.***
- ***All existing Teacher Education Institutions which have not been accredited so far or have not been accredited within five years from the date of its recognition shall be required to get themselves accredited by the aforesaid accrediting agency within a period of one year from the date of notification of these Regulations.***
- ***The accreditation once obtained shall be valid for a period of five years and the recognised and already accredited Teacher Education Institutions shall be required to get accreditation renewed by the agency identified for the purpose by the Council before the lapse of the earlier accreditation.***

(iv) The institution shall ensure that the required number of academic staff for conducting the course is always in position.

(v) The Norms for teaching staff in respect of their qualifications and experience shall be as per provisions of NCTE Regulations, 2014, as amended from time to time.

6. **Further, the recognition is subject to fulfilment of all such other requirements as may be prescribed by other regulatory bodies like UGC, affiliating University/ Body, State Government etc. as applicable, and compliance of the following by the affiliating body, State Govt and also the concerned recognised Institution: -**

(i) The affiliating body/State Govt. shall be required to verify the authenticity of the land & building documents submitted by the institution, with the required land & built up area as well as appointment of requisite teaching & non-teaching staff as per provisions of the NCTE Regulations, 2014 before grant of affiliation to the institution.

(ii) The affiliating body shall ensure that the institution is a composite institution as per definition of a "composite institution" given in the NCTE Regulation, 2014. If at any stage, it is found that the institution is not a composite institution, the recognition granted shall be treated as withdrawn and the sole responsibility of the same will be of the institution. However, the existing stand-alone institutions shall gradually move towards becoming composite institutions.

Contd.3/.....

(iii) The NOC of the affiliating body and staff approval thereof submitted by the institution, if found fake, at any stage, the recognitions granted shall be treated as withdrawn, and the sole responsibility of the same will be of the institution.

7. The institution shall submit a Self-Appraisal Report to the Regional Committee at the end of each academic year along the statement of annual accounts duly audited by a Chartered Accountant.

8. The institution shall maintain & update its Web-site as per provisions of NCTE Regulations and always display as mandatory disclosure the following: -

(i) Copy of Application Form
(ii) Land and Building Particulars
(iii) Staff Profile
(iv) Recognition Order
(v) Information regarding fulfillment of norms & standards and other conditions for the course.

9. The Educational Institution shall follow Uniform Accounting System as brought out by ICAI and accepted by the MHRD.

10. The Institution shall fill the GIS Application within one month from the date of issue of this order.

11. If the institution contravenes any of the above conditions or the provisions of the NCTE Act, Rules and Regulations, the Regional Committee shall withdraw recognition under provisions of Section 17(1) of the NCTE Act, 1993.

12. Further, if the institution is not satisfied with the Order, it may prefer an Appeal under Section 18 of the NCTE Act, 1993 through "online mode" available on NCTE's website www.ncte.gov.in within 60 days from the date of issue of this order. The guidelines for filing appeal may be seen on NCTE's website.

By Order,

14/9/14

(Dr. Rammurti Meena)
Regional Director

The Manager
Govt. of India Press
Department of Publications (Gazette Section)
Civil Lines, Delhi – 110 054

Copy to:-

1.	**The HOD,** **Central University of Haryana,** **Plot no.-931/1167, Door/Plot No.-Khewat No.-250,** **Khatoni no.-380-470, Village-Jant-pali,** **Post office-Pali, Tehsil-Mahendergarh,** **District-Mahandergarh, Haryana.**

Contd.4/.....

2.	**The Manager,** **Central University of Haryana,** **Door /Plot No.-250, Khatoni No.-380 to 470,** **Village-Jant Pali, Post office-Pali, Tehsil-Mahandergarh,** **District-Mahandergarh – 249401, Harayan.**	
3.	**The Principal Secretary,** **Department of Higher Education,** **New Haryana Civil Secretariat,** **Sector-17-C, 5th Floor, Room No.-528,** **Chandigarh-160017.**	**With a request to ensure compliance of the terms & conditions as laid down above by the institution.**
4.	**The Registrar,** **Central University of Haryana,** **Plot no.-931/1167, Door/Plot No.-Khewat No.-250,** **Khatoni no.-380-470, Village-Jant-pali,** **Post office-Pali, Tehsil-Mahendergarh,** **District-Mahandergarh, Haryana.**	
5.	**The Secretary,** **Department of School Education and Literacy,** **Ministry of Education,** **Govt. of India,** **Shastri Bhawan, New Delhi- 110001.**	
6.	**The US (EDP),** **National Council for Teacher Education,** **G-7, Sector-10, (Near Sector-10 Metro Station) Dwarka,** **New Delhi- 110075.**	
7.	**Legal Consultant, NRC, NCTE for compliance of court matter, if any.**	
8.	**Computer Section, NRC, for uploading on website.**	
9.	**Institution file**	
10.	**Guard file.**	

Regional Director

हरियाणा केंद्रीय विश्वविद्यालय
(संसद के अधिनियम संख्या-25 (2009) के तहत स्थापित)
जांट-पाली, महेंद्रगढ़- 123031 (हरियाणा)
CENTRAL UNIVERSITY OF HARYANA
(Established vide Act No. 25 (2009) of Parliament)
Jant-Pali, Mahendergarh-123031 (Haryana)

Minutes of Meeting

A meeting of the Standing Committee (Admissions) for the Academic Session 2022-23 was held on 11.04.2022 at 11.30 AM at Central University of Haryana. The following members were present:

1. **Prof. Neelam Sangwan** - **Chairperson**
   Dean, School of Interdisciplinary and Applied Science
2. **Prof. B.B. Goel,** Member**,** Academic Council
3. **Prof. Rajesh Kumar Malik**, Dean, School of Law
4. **Prof. Vinod Kumar,** Dean, School of Basic Sciences
5. **Prof. Anand Sharma,** DSW & Dean, School of Business and Management Studies
6. **Prof. Phool Singh,** Nodal Officer, CUET-2022 & Dean, School of Engineering and Technology
7. **Prof. Ravinder Pal Ahlawat**, Proctor
8. **Prof. Ajay Kumar Bansal,** Professor, Department of Electrical Engineering
9. **Dr. Dinesh Kumar**, Associate Professor, Department of Pharmaceutical Sciences

Recommendations of the Committee:

Sr. No.	Particulars
1.	**Agenda:** To finalize the Eligibility Criteria, Intake of Seats and Seat Matrices for various programmes of study to be offered during Academic Session-2022-23. **Observations and Recommendations:** In today's meeting during the course of discussion, the agenda was placed before the committee, one of the external member Prof. B.B. Goel pointed out that at some of the places M.Phil. still exists in the admission policy document of the University, whereas the course of M.Phil. has already been discontinued in NEP-2020. Certain other observations were also noticed by the other Committee members which are either irrelevant or may create some sense of ambiguity. So

in order to remove these ambiguities and unwanted litigations, there is a need to revise the following provisions of the Admission Rules of the University:

Existing Clause	Amendments Proposed
6. **Registration /Admission of foreign nationals:** vii. The foreign students shall have to pay annual fee at the following rates: a. Postgraduate/Master's programmes excluding professional programmes- 1200 US Dollars b. All Professional programmes- 1350 US Dollars **c. M.Phil./Ph.D. -1500 US Dollars** d. Undergraduate programmes- 1050 US Dollars The above fee does not include hostel/mess fee.	6. **Registration /Admission of foreign nationals:** vii. The foreign students shall have to pay annual fee at the following rates: a. Postgraduate/Master's programmes excluding professional programmes- 1200 US Dollars b. All Professional programmes- 1350 US Dollars **c. Ph.D. -1500 US Dollars** d. Undergraduate programmes- 1050 US Dollars The above fee does not include hostel/mess fee.
16. The Admission to the **M.Phil. and Ph.D. programmes shall be made in compliance with Ordinances-II and II(A) respectively** and the relevant UGC Regulations, as amended from time to time.	16. The Admission to the **Ph.D. programmes shall be made in compliance with Ordinances-II(A) of the University** and the relevant UGC Regulations, as amended from time to time.

Further, in order to calculate the number of seats as per the reservation policy, the standing committee is of the opinion that 0.5 should be taken as decisive factor for the allotment of seats to a particular course except the courses which are run by the regulatory body where the rules of the regulatory body are to be implemented in letter and spirit in the program. In order to provide the mandatory reservation of SC/ST/OBC/EWS categories, the distribution of seats in the department may be done as per the percentage and the rationalisation of the same may be done in order of higher decimal point. In case of tie between the

<table>
<tr><td></td><td>decimal points, the same may be adjusted as far as possible to the nearest integer possible.

Further it should be clearly mentioned that the actual number of seats should remain in the form of actual fraction and the same may be read as whole number for the purpose of admission. The seat matrices be prepared by the Academic & Council Branch in coordination with the Central Admission Advisory Committee.</td></tr>
<tr><td>2.</td><td><u>Agenda:</u>
To consider the proposals received from Dean, School of Engineering and Technology and Head, Department of Computer Science and Engineering to reduce the Intake of seats in B.Tech (CSE) programme from 75 to 60 w.e.f. Academic Session 2022-23, as per the approval of the regulatory body i.e. AICTE.

Observations and Recommendations:

After detailed deliberations it was resolved that keeping in view the approval of AICTE (60 seats for each branch of B.Tech.) and existing infrastructure, lab facilities & faculty strenght, the seats in B.Tech (CSE) programme may be reduced from 75 to 60 and in B.Tech. (Printing & Packaging technology) may be reduced from 40 to 30 w.e.f. Academic Session 2022-23.</td></tr>
<tr><td>3.</td><td><u>Agenda:</u>
To review the provisions of Admission Rules of the University regarding providing of supernumerary seats in various programmes of study for the Academic Session-2022-23.

Observations and Recommendations:

After detailed deliberations the committee resolved that, the supernumerary seats may be provided in all the UG/PG programmes which are UGC approved and the programmes which are governed by other regulatory bodies, like, PCI, BCI, AICTE, NCTE, etc., the supernumerary seats in such programmes may be provide as per the rules/guidelines of the concerned regulatory bodies. The committee further resolved that the following amendments may be made in the Admission Rules of the University:

<table>
<tr><th>Existing Clause</th><th>Amendments Proposed</th></tr>
<tr><td>4 (c) Supernumerary seats:</td><td>4 (c) Supernumerary seats: Supernumerary seats are available in</td></tr>
</table>
</td></tr>
</table>

		all the UG/PG programmes which are UGC approved and the programmes which are governed by other regulatory bodies like PCI, BCI, AICTE, NCTE, etc., the supernumerary seats in such programmes may be provided as per the rules/guidelines of the concerned regulatory bodies.
4.	Academic and Council branch informed to the committee members that UGC vide its letter No. D.O.No.F.13-11/2020 (CU) dated 26-11-2021, informned all the Central Universities that a Common Entrance Test for UG and PG may be conducted for Central Universities from the academic session 2022-23 through NTA (Annexure-I). Dr. Sadhana Parashar, Sr. Director (Exams & Research), National Testing Agency vide its letter dated 11-04-2022 has informed to all the Vice-Chancellors/Registrars/CoEs/ Concerned Officers that National Testing Agency has been entrusted by the University Grants Commission (UGC) with the task of conducting the Common Universities Entrance Test for participating Central and others Universities/ Institutions for the academic session 2022-23 across the country and requested to send the requisite information to NTA at the earliest (Annexure-II). It was informed to the Committee that the details of the UG and PG programmes to be offered in academic session 2022-23 along with their eligibility criteria have already been forwarded to NTA for CUET-2022. Keeping in view the paucity of time, the Standing Committee (Admission) approved the eligibility criteria of the various UG and PG programmes sent to NTA (Annexure-III).	

The recommendation of the Standing Committee (Admissions) may be put before the Competent Authority for consideration and approval, please.

CHAIRPERSON

ज्ञान-विज्ञान विमुक्तये

डॉ. जितेन्द्र कुमार त्रिपाठी
संयुक्त सचिव
Dr. Jitendra K. Tripathi
Joint Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)
बहादुर शाह जफ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
दूरभाष Ph : 011-23239200
E-mail : jitendratripathi.ugc@nic.in

26 NOV 2021

D.O.No.F.13-11/2020 (CU) November, 2021

Subject:- Conduct of Common Universities Entrance Test (CUET) from the academic session 2022-2023-reg.

Respected Madam/ Sir,

Kind reference is invited to National Education Policy (NEP)-2020 wherein there is a provision of Common Entrance Test for all Universities through National Testing Agency (NTA) which will serve as a premier, expert, autonomous testing organisation to offer high quality common aptitude test, as well as specialised common subject exams in the sciences, humanities, languages, arts, and vocational subjects in higher education institutions.

2. Accordingly, a Committee was constituted to look into the matter and to suggest the modalities for conducting the Common Entrance Test for Central Universities. The Committee held several rounds of discussions regarding the modalities in details for conducting the Common Entrance Test.

3. Thereafter, a meeting was held with the Vice-Chancellors of all Central Universities on 22.11.2021 to discuss the recommendations of the Committee and for conducting the Common Entrance Test. After detailed deliberations, it was resolved that the Common Entrance Test for UG and PG may be conducted for Central Universities from the academic session 2022-2023 through NTA.

4. For admission in Ph.D. programme NET score shall be used for, wherever feasible.

5. Accordingly, all Central Universities are advised to take appropriate measures for the Common Entrance Test from the academic session 2022-2023.

6. These tests would be conducted in minimum 13 languages in which NTA is already conducting JEE and NEET examinations.

7. The Common Entrance Test may also be adopted by the willing State / Private Universities / Deemed to be Universities.

8. For any clarifications the undersigned may be contacted at jitendratripathi.ugc@nic.in / jitendratripathi.ugc@gov.in.

With kind regards,

Yours sincerely,

(Jitendra K. Tripathi)

The Vice-Chancellors
All (45) Central Universities
As per list attached.

Dear VCs/ Registrars/ CoEs/ Concerned Officers, Date: 11.04.2022

National Testing Agency has been entrusted by the University Grants Commission (UGC) with the task of conducting the Common Universities Entrance Test (Post Graduate) for participating Central and others Universities/ Institutions for the academic session 2022-23 across the country.

NTA has shared a link on 4th April, 2022 containing the Mapping List of PG Programmes for the participating Universities for making necessary amendments if required. The link will be closed on 12th April, 2022. Therefore, it is requested that all the Programmes are checked and inserted in the list positively by 12th April, 2022.

The participating Universities are hereby requested to complete the mapping prior to the stipulated date so that the final list could be attached in the Information Bulletin (IB).

In case of any query, you may contact Ms. Shimray #9654735650 or Dr. Sunita S. Kaushik # 9899175588.

Thank you.

Regards,

Dr. Sadhana Parashar
Sr. Director (Exams & Research)

Combined Universities Entrance Test (CUET)-2022: UNDER GRADUATE PROGRAMMES

NAME OF CENTRAL UNIVERSITY: CENTRAL UNIVERSITY OF HARYANA

Srl. No.	Degree	Programme/ Course offered	Domain/ General/ Optional Languages mapped to the Programmes offered in column C	Eligibility for the programme
1	B.Voc.	B.Voc. In Retail and Logistics Management	General Test	10+2 or equivalent in any discipline with at least 50% marks aggregate or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).
2	B.Voc.	B.Voc. In Biomedical Sciences	General Test, Biology	10+2 with Science and Biology as a Subject with 50% or above marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).
3	B.Voc.	B.Voc. In Industrial Waste Management	General Test	10+2 in Science with 50% or above marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).
4	B.Tech.	Computer Science & Engineering	Mathematics, Physics and Chemistry	Admission to first year / first semester Bachelor Degree in Technology shall be open to the students who have passed XII standard or equivalent examination conducted by CBSE or equivalent boards with minimum of 45% marks in aggregate. For the requisite qualifications earned from foreign countries, Equivalence Certificate from the Association of Indian Universities (AIU) is mandatory. The matter of eligibility of the candidate shall be put up to the Equivalence Committee for its consideration and the decision of the Equivalence Committee shall be final. In addition to the Point (1), the student shall have secured not less than fourty five (45) percent marks in the aggregate with Physics and Mathematics as compulsory subjects, along with any one of the following subjects, namely, Chemistry, Biotechnology, Computer Science, Biology and Electronics or as decided by the University from time to time: "Provided, the minimum marks for the purpose of eligibility shall be forty (40) percent in the aggregate in XII standard in case of students belonging to the SC/ST and the OBC (non-creamy layer)/ differently abled candidates or as decided by the University from time to time. Provided further that, the student shall have studied and passed English as one of the subjects."
5	B.Tech.	Electrical Engineering	Mathematics, Physics and Chemistry	
6	B.Tech.	Civil Engineering	Mathematics, Physics and Chemistry	
7	B.Tech.	Printing & Packaging Technology	Mathematics, Physics and Chemistry	
8	B.Sc.	B.Sc. (Hons) in Psychology	Psychology	The candidate (s) should have passed 10+2 examination in any of the discipline with at least 50% marks in aggregate or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates) from a recognized Board/University.
9	Integrated B.Sc.-M.Sc.	Integrated B.Sc.-M.Sc. In Chemistry	Chemistry	10 + 2 in Science Stream or equivalent of any recognized board in India with Chemistry as one of the optional subjects having 50% marks in aggregate for general category and 45% for SC/ST/OBC/PWD/EWS candidates.
10	Integrated B.Sc.-M.Sc.	Integrated B.Sc.-M.Sc. In Mathematics	Mathematics	10 + 2 in Science Stream or equivalent of any recognized board in India with Mathematics as one of the optional subjects having minimum 50% marks or equivalent grade in aggregate for UR category and 45% or equivalent grade for SC/ST/OBC/PWD/EWS candidates.
11	Integrated B.Sc.-M.Sc.	Integrated B.Sc.-M.Sc. In Physics	Physics	10 + 2 in Science Stream or equivalent of any recognized board in India with Physics and Mathematics as the optional subjects having 50% marks or equivalent grade in aggregate for general category and 45% or equivalent grade for SC/ST/OBC/PWD/EWS candidates.

CENTRAL UNIVERSITIES COMMON ENTRANCE TEST (CUET)-2022 Bunching Final List of all PG Programmes							
Sr. No.	Offered By	Course	Degree	Programme (Subject)	Test Paper Code	ELIGIBLITY	Remarks (if any)
1	Central University Haryana	PG	B.Ed.	Education	PGQP01	50% Marks either in Bachelor Degree and /or in Master's Degree in Science/ Social Science/ Humanities, Bachelors in Engineering or Technology with specialization in Science and mathematics with 55 % marks or any other qualification recognized as equivalent. (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
2	Central University Haryana	PG	LLM	Law	PGQP02	Candidates having three years / five years LL.B. Degree from a recognized Indian or foreign university (As per AIU list) with at least 50% marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
3	Central University Haryana	PG	M.Ed.	Education	PGQP04	50% Marks or an equivalent grade in B.Ed./B.El.Ed./B.A.B.Ed.,B.Sc.B.Ed/D.El.Ed. with an undergraduate degree with 50% (with fifty percent marks in each). The candidates having compartment will not be allowed for admission in M.Ed. (Regular Course) in any case (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
4	Central University Haryana	PG	M.A.	English	PGQP05	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
5	Central University Haryana	PG	M.A.	Hindi	PGQP06	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
6	Central University Haryana	PG	M.A.	History and Archaeology	PGQP11	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
7	Central University Haryana	PG	M.A.	Sanskrit	PGQP14	A minimum of 50% marks or an equivalent grade in Bachelors/ UG degree with Sanskrit or Shastri examination from a recognised University or an equivalent examination (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
8	Central University Haryana	PG	M.A.	Sociology	PGQP15	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
9	Central University Haryana	PG	M.Sc.	Geography	PGQP17	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
10	Central University Haryana	PG	M.Sc.	Microbiology	PGQP22	B.Sc. (Hons.) or B.Sc. in Botany/ Microbiology/ Biochemistry/ Biotechnology/ Life Sciences/ Zoology or B.Voc. in Biomedical Sciences/ Industrial Waste Management with minimum 50% marks in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
11	Central University Haryana	PG	M.Sc.	Biochemistry	PGQP22	B.Sc. (Hons.) /B.Sc. in Botany/ Microbiology/ Biochemistry/ Biotechnology/Zoology/ Life Sciences/ Chemistry or B.Voc. in Biomedical Sciences with minimum 50% marks in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
12	Central University Haryana	PG	M.Sc.	Nutrition Biology	PGQP22	B.Sc. (Hons.) Or B.Sc. in Botany/ Microbiology/ Biochemistry/Biotechnology/Life Sciences /Zoology/Home Science/Nutrition Dietics / Food Science/Food Technology or B.Voc. in Biomedical Sciences with minimum 50% marks in aggregate or equivalent (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
13	Central University Haryana	PG	M.Sc.	Biotechnology	PGQP22	B.Sc. (Hons.) or B.Sc. in Botany/ Microbiology/ Biochemistry/ Biotechnology/Life Sciences/Zoology or B.Voc. in Biomedical Sciences/ Industrial Waste Management with minimum 50% marks in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	

14	Central University Haryana	PG	M.Pharm. (Pharmacology)*	Pharmacology	PGQP24	The candidate must have passed B.Pharm. degree examination from any University or institution established by law in India, approved by Pharmacy council of India and has scored not less than 55% marks in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates). Note: The priority will be given to GPAT qualified candidates. The remaining seats, if any, will be filled from among the candidates qualified in CUET examination, in order of marks obtained in Entrance.	
15	Central University Haryana	PG	M.Sc.	Chemistry	PGQP25	B.Sc. (Hons.) Chemistry from any recognized Indian or Foreign University (Foreign recognition to be as per AIU list) with 50% or above marks or equivalent grade in aggregate. Or Graduation in any branch of Science, B.Voc or Engineering with Chemistry and Biology/Mathematics as two of the subjects of study with 55% or above marks in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
16	Central University Haryana	PG	MCA	Computer Science and Information Technology	PGQP26	Bachelor's degree in any discipline from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with a minimum of 50% aggregate marks or equivalent grade. Or Equivalent grade in Mathematical Sciences (Mathematics / Statistics /Operations Research/Computer Science) (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
17	Central University Haryana	PG	M.Sc.	Mathematics	PGQP27	B.A/B.Sc.(Hons.) in Mathematics from any recognized Indian or Foreign University (foreign recognition to be as per AIU list) with 50% or above marks or equivalent grade in aggregate and 50% or above marks or equivalent grade in Mathematics. OR B.Sc./B.A. with Mathematics as one of the subjects of study with 55% or above marks or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
18	Central University Haryana	PG	M.Sc.	Physics	PGQP28	B.Sc. (Hons.) Physics from any recognized Indian or foreign university (foreign recognition to be as per AIU list) with 50% or above marks or equivalent grade in aggregate. OR Graduation in any branch of Science or Engineering with Physics and Mathematics as two of the Subjects of study with 55% or above marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
19	Central University Haryana	PG	M.Sc.	Statistics	PGQP29	B.A./B.Sc. (Hons.) in Mathematics / Statistics from any recognized Indian or foreign university (foreign recognition to be as per AIU list) with 50% or above marks or equivalent grade in aggregate and 50% or above marks or equivalent grade in Mathematics/Statistics. OR B.A./B.Sc. with Mathematics/Statistics as one of the subjects of study with 55% or above marks or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
20	Central University Haryana	PG	M.Sc.	Environmental Studies	PGQP32	B.Sc.(Hons.)/B.Sc. or B.Voc. in Industrial Waste Management / Biomedical Sciences from any recognized Indian or foreign university (foreign recognition to be as per AIU list) with 50% or above marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
21	Central University Haryana	PG	M.Sc.	Yoga	PGQP36	Bachelor's Degree in any discipline from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with at least 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	

22	Central University Haryana	PG	M.Com.	Commerce	PGQP37	A candidate seeking admission to M. Com. Course must have: B.Com. (Hons.) Degree from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with at least 50% marks or equivalent grade. OR B.Com. Degree from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with at least 55% marks or equivalent grade. OR B.A. (Hons.) Economics degree from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with at least 50% marks or equivalent grade. OR Passed B.B.S., B.B.A., B.I.F.A., B.B.E. or B.Voc. in Retail & Logistics Management degree from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with at least 60% marks or equivalent grade. (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
23	Central University Haryana	PG	MBA	Management Studies	PGQP38	Bachelor's degree in any discipline from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with at least 50% marks aggregate or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
24	Central University Haryana	PG	MHMCT	Tourism and Hotel Management	PGQP38	Bachelor's Degree in any discipline with 50% marks in aggregate or equivalent (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
25	Central University Haryana	PG	MTTM	Tourism and Hotel Management	PGQP38	Bachelor's Degree in any discipline from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with at least 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
26	Central University Haryana	PG	M.Lib.I.Sc.	Library and Information Science	PGQP40	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
27	Central University Haryana	PG	LLB	Law	PGQP40	Three Year Law Degree Course: An applicant who has graduated in any discipline of Knowledge from a University established by an Act of Parliament or by a State legislature or an equivalent national institution recognized as a Deemed to be University or foreign University recognized as equivalent to the statues of an Indian University by anauthority competent to declare equivalence. Minimum qualifying marks in graduation:- 45% for General Category (Relaxation of 5% to the SC/ST/PWD/OBC (Non-Creamy Layer) candidates).	
28	Central University Haryana	PG	M.A.	Journalism and Mass Communication	PGQP41	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
29	Central University Haryana	PG	M.A.	Political Science	PGQP42	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
30	Central University Haryana	PG	M.P.Ed.	Physical Education and Sports	PGQP43	Bachelor of Physical Education (B.P.Ed.) or equivalent with at least 50% marks OR Bachelor of Science (B.Sc. Sports) in Health and Physical Education with atleast 50% marks (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	

31	Central University Haryana	PG	M.A.	Economics	PGQP44	Bachelor's degree with Economics as one of the subjects from a recognized Indian or foreign university (foreign recognition to be as per AIU list) with a minimum of 50% aggregate marks or equivalent grade. OR 55%or more marks in Graduate/Post Graduate Degree in any other discipline or subject from a recognized Indian or foreign university (foreign recognition to be as per AIU list). (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
32	Central University Haryana	PG	M.A.	Psychology	PGQP46	Graduation from any recognized university with a minimum 50 % marks or equivalent grade in aggregate (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates).	
33	Central University Haryana	PG	M.Tech.	Energy Systems and Management		Passed B.Tech/B.E. in Electrical Engineering or relevant/appropriate branch with with 55% or above marks or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates)	
34	Central University Haryana	PG	M.Tech.	Structural Engineering		Passed B.Tech/B.E. in Civil Engineering/ Civil and Infrastructure Engineering/Construction Engineering/ appropriate branch with 55% or above marks or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates)	
35	Central University Haryana	PG	M.Tech.	Computer Science and Engineering		Passed B.Tech/B.E. in Computer Engineering/ Computer Science/ Computer Science and Engineering/ Computer Science and Information Technology/ Computer Technology/ Information Technology/ Computer Science and Systems Engineering/ Computer Science and Technology/ Electronics and Computer Engineering/ Electronics and Information Systems/ Information Technology and Engineering/ Software Engineering or relevant/appropriate branch with with 55% or above marks or equivalent grade (Relaxation of 5% to the SC/ST/PWD/ OBC (Non-Creamy Layer) candidates)	
36	Central University Haryana	Diploma	P.G. Diploma in Rehabilitation Psychology (PGDRP)	Psychology		Bachelor's degree (regular mode) with general Psychology courses in all the three years Or Master's degree in any branch of Psychology either in regular or distance mode, Or Master's degree in counselling Psychology either in regular or distance mode, with a minimum of 55% marks in aggregate. For SC/ST/OBC category, minimum of 50% Marks in aggregate is essential. Entry Qualification shall be from a UGC Recognized University.	
37	Central University Haryana	Diploma	Advance Diploma in Child Guidance and Counselling (ADCGC)	Psychology		1. Any recognized Master's Degree in Psychology /Social work/ Child Development/ Community Resource Management/ Development Communication Extension / Nursing / Special Education. OR, 2. M.Ed. from recognized University. OR, 3. Any recognized Bachelor's Degree in Psychology / Social work / Child Development / Community Resource Management / Development Communication Extension / Nursing / Special Education with minimum 05 Years of experience of working with children. OR, 4. B.Ed. from recognized University with minimum 04 years of experience of working with children. The candidate must also have studied English (Elective / Core / Functional) (01 paper) at 10+2 level or higher.	

रजिस्ट्री सं. डी.एल.- 33004/99 REGD. No. D. L.-33004/99

भारत का राजपत्र
The Gazette of India

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असाधारण
EXTRAORDINARY

भाग III—खण्ड 4
PART III—Section 4

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 233] NEW DELHI, MONDAY, MAY 2, 2022/VAISAKHA 12, 1944

विश्वविद्यालय अनुदान आयोग

अधिसूचना

नई दिल्ली, 2 मई, 2022

फा. सं. 4-1/2022(IC).—विश्वविद्यालय अनुदान आयोग अधिनियम, 1956 की धारा 26 की उप-धारा (1) की खंड (च) और (छ) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए और दिनांक 11.07.2016 की राजपत्र अधिसूचना के माध्यम से अधिसूचित किए गए विश्वविद्यालय अनुदान आयोग (भारतीय और विदेशी शैक्षिक संस्थानों के मध्य अकादमिक सहयोग के मानकों की प्रोन्नति एवं अनुरक्षण) विनियम, 2016 का अधिक्रमण करते हुए विश्वविद्यालय अनुदान आयोग, एतद्वारा निम्नलिखित विनियम बनाता है, नामत: -

1. लघु शीर्षक, अनुप्रयोग और प्रवर्तन:-

1.1. इन विनियमों को विश्वविद्यालय अनुदान आयोग (युगल उपाधि, संयुक्त उपाधि और दोहरी उपाधि कार्यक्रमों की पेशकश करने हेतु भारतीय और विदेशी उच्चतर शिक्षा संस्थानों के बीच शैक्षिक सहयोग) विनियम, 2022 (इसके पश्चात् विनियमों कहा जाएगा) कहा जाएगा।

1.2. ये विनियम युगल उपाधि, संयुक्त उपाधि और दोहरी उपाधि कार्यक्रमों की पेशकश करने के लिए भारतीय उच्चतर शिक्षा संस्थानों और विदेशी उच्चतर शिक्षा संस्थानों के बीच शैक्षिक सहयोग के लिए न्यूनतम मानकों का निर्धारण करते हैं।

1.3. ये विनियम निम्न पर पर लागू होंगे-

1.3.1. उपाधि(यां) प्रदान करने के लिए विदेशी उच्चतर शिक्षा संस्थानों के साथ सहयोग करने के इच्छुक भारतीय उच्चतर शिक्षा संस्थान; और

1.3.2. भारतीय उच्चतर शिक्षा संस्थानों के साथ सहयोग करने के इच्छुक विदेशी उच्चतर शिक्षा संस्थान।

1.4. ये विनियम शासकीय राजपत्र में उनके प्रकाशन की तिथि से लागू होंगे।

2. परिभाषाएं:-

2.1. "अधिनियम" का अभिप्राय, समय-समय पर यथा-संशोधित, विश्वविद्यालय अनुदान आयोग अधिनियम, 1956 से है;

2.2. "शैक्षिक सहयोग" का अभिप्राय, एक लिखित करार के माध्यम से निम्नवत प्रयोजनार्थ, भारतीय उच्चतर शिक्षा संस्थान(नों) और विदेशी उच्चतर शिक्षा संस्थान(नों) के बीच शैक्षिक साझेदारी से है;

2.2.1. युगल उपाधि कार्यक्रम

2.2.2. संयुक्त उपाधि कार्यक्रम;

2.2.3. दोहरी उपाधि कार्यक्रम;

2.3. एक विदेशी उच्चतर शिक्षा संस्थान के संबंध में "मूल्यांकन और प्रत्यायन एजेंसी", का अभिप्राय किसी ऐसी एजेन्सी अथवा निकाय से है जिसे उस संस्थान के संबंधित देश में विधि के तहत स्थापित अथवा निगमित किसी प्राधिकरण अथवा उस देश में किसी अन्य सांविधिक प्राधिकरण द्वारा अनुमोदित किया गया हो, मान्यता प्रदान की गई हो अथवा जो उच्चतर शिक्षा संस्थानों की गुणवत्ता और मानकों का मूल्यांकन, प्रत्यायन अथवा गुणवत्ता आश्वासन के प्रयोजनार्थ प्रत्यायन निकायों के वैश्विक नेटवर्क का सदस्य हो;

2.4. भारतीय उच्चतर शिक्षा संस्थान के संबंध में "मूल्यांकन और प्रत्यायन एजेंसी" का अभिप्राय, विश्वविद्यालय अनुदान आयोग (आकलन एवं प्रत्यायन एजेंसियों की मान्यता एवं सर्वेक्षण) विनियम, 2014 के अंतर्गत मान्यता प्राप्त एजेंसी से है;

2.5. "आयोग" का अभिप्राय, अधिनियम की धारा 4 के अंतर्गत स्थापित विश्वविद्यालय अनुदान आयोग से है;

2.6. "परंपरागत पद्धतियों" का अभिप्राय, एक नियमित कक्षा परिवेश में शिक्षक और शिक्षार्थी के मध्य सम्मुख पारस्परिक वार्तालाप के माध्यम से ज्ञान अर्जन का अवसर उपलब्ध कराए जाने की एक पद्धति से है, जो ऑनलाइन पद्धति के उपयोग के माध्यम से शिक्षार्थी हेतु पूरक शिक्षण, यदि कोई हो तो, को अपवर्जित नहीं करता है;

2.7. "'क्रेडिट' मान्यता और अंतरण" का अभिप्राय, किसी भारतीय उच्चतर शिक्षा संस्थान द्वारा स्वयं अथवा किसी विदेशी उच्चतर शिक्षा संस्थान और अनुलोमत: द्वारा संयुक्त रूप से प्रदान किए गए किसी कार्यक्रम के लिए "'क्रेडिट"' संबंधी अपेक्षाओं हेतु मान्यता प्रदान किए जाने, परिमाणित किए जाने अथवा सम्मिलित किए जाने हेतु किसी विदेशी उच्चतर शिक्षा संस्थान द्वारा प्रदत्त "'क्रेडिट"' से है;

2.8. "उपाधि" का अभिप्राय, विश्वविद्यालय अनुदान आयोग अधिनियम की धारा 22 के उपबंधों के अनुरूप किसी भारतीय उच्चतर शिक्षा संस्थान द्वारा प्रदान की गई उपाधि और संबंधित देश के संगत नियमों और विनियमों के अनुसार किसी विदेशी उच्चतर शिक्षा संस्थान द्वारा प्रदान की गई उपाधि से है;

2.9. "विदेशी उच्चतर शिक्षा संस्थान" का अभिप्राय, विदेश में विधिवत रूप से स्थापित अथवा निगमित अथवा मान्यता प्राप्त किसी उच्चतर शिक्षा संस्थान से है जो स्नातकपूर्व और/ अथवा उच्चतर स्तरों पर शैक्षिक और अनुसंधान कार्यक्रमों की पेशकश करता है;

2.10. इन विनियमों के प्रयोजनार्थ "फ्रेंचाइजिंग" का अभिप्राय और उसमें, मान्यता प्राप्त उच्चतर शिक्षा संस्थान की ओर से अथवा उसके नाम से युगल उपाधि, संयुक्त उपाधि और दोहरी उपाधि कार्यक्रमों की पेशकश करने अथवा संबंधित कार्यकलापों हेतु इन विनियमों के तहत मान्यता प्राप्त उच्चतर शिक्षा संस्थानों के अलावा किसी व्यक्ति अथवा संस्थान अथवा संगठन को औपचारिक अथवा अनौपचारिक रूप से अनुमति प्रदान करना शामिल है, "फ्रेंचाईज" और "फ्रेंचाइजिंग" वाक्यांश का अर्थ तदनुसार समझा जाएगा;

2.11. "भारतीय उच्चतर शिक्षा संस्थान" का अभिप्राय, विश्वविद्यालय अनुदान आयोग अधिनियम, 1956 की धारा 2(च) के तहत किसी विश्वविद्यालय अथवा धारा 3 के तहत किसी सम विश्वविद्यालय संस्थान से है;

2.12. "कार्यक्रम" का अभिप्राय, स्नातकोत्तर और डॉक्टोरल कार्यक्रमों सहित उपाधि प्रदान करने वाले शैक्षिक कार्यक्रमों से है;

2.13. "सांविधिक निकाय" का अभिप्राय, विश्वविद्यालयों अथवा पेशेवर कार्यक्रम(मों) सहित अध्ययन कार्यक्रम(मों) में शिक्षण, परीक्षा और अनुसंधान के मानकों को विनियमित करने, उनका समन्वय करने, उनका निर्धारित करने और उन्हें बनाए रखने के लिए केंद्रीय अधिनियम द्वारा अथवा उसके तहत स्थापित अथवा निगमित निकाय से है, जिसके परिणामस्वरूप उपाधि(यां) प्राप्त की जाएं;

3. सहयोग संबंधी उपबंध:-

इन विनियमों के अंतर्गत भारतीय और विदेशी उच्चतर शिक्षा संस्थानों के बीच शैक्षिक सहयोग से निम्नलिखित शैक्षिक क्रियाकलाप किए जा सकेंगे: -

3.1. युगल कार्यक्रम

3.1.1. "युगल कार्यक्रम" एक सहयोगात्मक व्यवस्था होगी जिसके तहत विश्वविद्यालय अनुदान आयोग के विनियमों का अनुपालन करते हुए, भारतीय उच्चतर शिक्षा संस्थान में नामांकित छात्र आंशिक रूप से भारत में तथा आंशिक रूप से विदेशी उच्चतर शिक्षा संस्थान में अपना अध्ययन कार्यक्रम कर सकते हैं।

3.1.2. इस प्रकार के युगल कार्यक्रमों के तहत प्रदान की जाने वाली उपाधि केवल भारतीय उच्चतर शिक्षा संस्थान द्वारा प्रदान की जाएगी।

3.1.3. युगल कार्यक्रम के अंतर्गत, छात्रों द्वारा विदेशी उच्चतर शिक्षा संस्थान में अर्जित "क्रेडिट" को भारतीय उच्चतर शिक्षा संस्थान द्वारा प्रदान की जाने वाली उपाधि हेतु गिना जाएगा। तथापि, विदेशी उच्चतर शिक्षा संस्थान से छात्रों द्वारा अर्जित "क्रेडिट", कार्यक्रम हेतु निर्धारित कुल 'क्रेडिटों' के 30 प्रतिशत से अधिक नहीं होना चाहिए।

3.1.4. भारतीय छात्रों द्वारा विदेशी संस्थान से अर्जित किए जाने वाले 'क्रेडिट' और भारतीय संस्थानों से विदेशी छात्रों द्वारा अर्जित 'क्रेडिट' पारंपरिक पद्धतियों से प्राप्त किए जाएंगे।

3.1.5. प्रत्येक संस्थान अपने संबंधित पाठ्यक्रमों के लिए एक प्रतिलेख जारी करेगा, जिसमें यह टिप्पणी होगी कि छात्र ने भागीदार संस्थान में कुछ मॉड्यूल, जहां कहीं लागू हों, किए हैं।

3.1.6. भारतीय उच्चतर शिक्षा संस्थान यह सुनिश्चित करेगा कि विदेशी उच्चतर शिक्षा संस्थान से छात्रों द्वारा अर्जित 'क्रेडिट' अतिव्यापी पाठ्यक्रम विषयवस्तु/पाठ्यचर्या से नहीं होंगे।

3.1.7. कार्यक्रम की संपूर्ण अवधि के लिए यथा लागू, शुल्क (विदेशी उच्चतर शिक्षा संस्थान द्वारा प्रदान किए गए पाठ्यक्रमों सहित) को प्रवेश के समय सार्वजनिक किया जाएगा। शुल्क ढांचा तर्कसंगत होना चाहिए ताकि गुणवत्तापूर्ण उच्चतर शिक्षा तक समाज के सभी वर्गों की पहुंच हो तथा यह किफायती हो।

3.1.8. इस प्रकार के युगल उपाधि कार्यक्रम के तहत प्रदान की जाने वाली कोई भी उपाधि विश्वविद्यालय अनुदान आयोग अधिनियम, 1956 की धारा 22(3) के उपबंधों के अनुरूप होनी चाहिए और साथ ही यह संबंधित सांविधिक प्राधिकरण द्वारा ऐसी उपाधि प्रदान करने के लिए यथा-निर्धारित मानकों, मानदंडों और अपेक्षाओं के अनुरूप होनी चाहिए।

3.1.9. सहयोगी उच्चतर शिक्षा संस्थान, उन छात्रों के लिए निकास मार्ग की व्यवस्था करेंगे जो छात्रों द्वारा अर्जित 'क्रेडिटों' की भावी संस्वीकृति के संबंध में स्पष्ट विनिर्देशों के साथ युगल कार्यक्रम को पूर्ण करने में असमर्थ हैं।

3.2. संयुक्त उपाधि कार्यक्रम

3.2.1. "संयुक्त उपाधि कार्यक्रम" के लिए, पाठ्यक्रम को सहयोगी भारतीय और विदेशी उच्चतर शिक्षा संस्थानों द्वारा संयुक्त रूप से तैयार किया जाएगा और कार्यक्रम के पूर्ण होने पर, भारतीय उच्चतर शिक्षा संस्थान और सहयोगी विदेशी उच्चतर शिक्षा संस्थान द्वारा एकल प्रमाणपत्र के रूप में उपाधि प्रदान की जाएगी।

3.2.2 पेशकश किया जाने वाला कोई भी संयुक्त उपाधि कार्यक्रम, विश्वविद्यालय अनुदान आयोग अधिनियम, 1956 की धारा 22(3) में विनिर्दिष्ट उपाधि के नाम और अवधि के अनुरूप होगा और इस प्रकार के उपाधि कार्यक्रम की पेशकश करने के लिए न्यूनतम पात्रता और अन्य मानदंडों और मानकों के अनुरूप होगा।

3.2.3. छात्रों को प्रत्येक भारतीय और विदेशी उच्चतर शिक्षा संस्थानों से कुल 'क्रेडिट' का कम से कम 30 प्रतिशत अर्जित करना होगा। भारतीय छात्रों द्वारा विदेशी संस्थान से अर्जित किए जाने वाले 'क्रेडिट' और भारतीय संस्थानों से विदेशी छात्रों द्वारा अर्जित 'क्रेडिट' पारंपरिक पद्धति के माध्यम से प्राप्त किए जाएंगे।

3.2.4.किसी संस्थान में पाठ्यक्रम(मों) के लिए अर्जित 'क्रेडिट' को दोनों संस्थानों द्वारा संयुक्त रूप से प्रदान की जाने वाली उपाधियों हेतु गिना जाएगा।

3.2.5. सहयोगी उच्चतर शिक्षा संस्थान यह सुनिश्चित करेंगे कि छात्रों द्वारा अर्जित 'क्रेडिट' अतिव्यापी पाठ्यक्रम विषयवस्तु/ पाठ्यचर्या से नहीं होंगे; और जिस संस्थान में विद्यार्थी उक्त पाठ्यक्रम के लिए पंजीकृत है उसके प्रत्येक पाठ्यक्रम के लिए छात्र केवल एक परीक्षा देगा और मूल्यांकन प्रणाली से गुजरेगा।

3.2.6. डॉक्टोरल उपाधि कार्यक्रम के मामले में, प्रत्येक संस्थान में छात्रों के लिए शोध पर्यवेक्षक होना चाहिए। अध्ययन कार्यक्रम के दौरान विद्यार्थियों को प्रत्येक सहयोगी संस्थान में कम से कम एक सेमेस्टर बिताना होगा। तथापि, भागीदार संस्थानों द्वारा संयुक्त रूप से तैयार किए गए ढांचे का अनुपालन करते हुए छात्रों को एक शोध प्रबंध भी जमा करना होगा।

3.2.7. कार्यक्रम की संपूर्ण अवधि के लिए यथा लागू, शुल्क (विदेशी उच्चतर शिक्षा संस्थान द्वारा प्रदान किए गए पाठ्यक्रमों सहित) को प्रवेश के समय सार्वजनिक किया जाएगा। शुल्क ढांचा तर्कसंगत होना चाहिए ताकि गुणवत्तापूर्ण उच्चतर शिक्षा तक समाज के सभी वर्गों की पहुंच हो तथा यह किफायती हो।

3.2.8 प्रत्येक संस्थान अपने संबंधित पाठ्यक्रमों के लिए एक प्रतिलेख जारी करेगा, जिसमें यह टिप्पणी होगी कि छात्र ने भागीदार संस्थान में कुछ मॉड्यूल, जहां कहीं लागू हों, किए हैं।

3.2.9. सहयोगी उच्चतर शिक्षा संस्थान, उन छात्रों के लिए निकास मार्ग की व्यवस्था करेंगे जो छात्रों द्वारा अर्जित 'क्रेडिटों' की भावी संस्वीकृति के संबंध में स्पष्ट विनिर्देशों के साथ युगल कार्यक्रम को पूर्ण करने में असमर्थ हैं।

3.2.10. संयुक्त उपाधि कार्यक्रम की पेशकश से संबंधित अन्य सभी उपबंध भागीदार संस्थानों द्वारा आपस में निर्धारित किए जाएंगे जोकि संबंधित संस्थान और देश के संबंधित नियमों, विनियमों और विधियों के अनुरूप होंगे।

3.3. दोहरी उपाधि कार्यक्रम

3.3.1. "दोहरी उपाधि कार्यक्रम" भारतीय और विदेशी उच्चतर शिक्षा संस्थानों द्वारा समान विधा/ विषय क्षेत्रों तथा उसी स्तर पर संयुक्त रूप से तैयार और पेशकश किए जाएंगे। इस प्रकार के कार्यक्रम के लिए उपाधियां, भारतीय और विदेशी उच्चतर शिक्षा संस्थानों द्वारा दोनों संस्थानों की उपाधि संबंधी अपेक्षाओं पर खरा उतरने पर अलग-अलग और एक ही समय, प्रदान की जाएंगी। इसे किसी भी प्रकार से पृथक विधाओं/ विषय क्षेत्रों और/ अथवा स्तरों पर एक साथ किए जा रहे दो उपाधि कार्यक्रम नहीं माना जाएगा।

3.3.2. दोहरी उपाधि कार्यक्रम के अंतर्गत, किसी भारतीय उच्चतर शिक्षा संस्थान द्वारा पेशकश की जाने वाली उपाधि, वि.अ.आ. अधिनियम, 1956 की धारा 22(3) में विनिर्दिष्ट उपाधि के नाम और अवधि के अनुरूप होनी चाहिए और इस प्रकार की उपाधि कार्यक्रम की पेशकश करने हेतु न्यूनतम पात्रता और अन्य मानदंड और मानकों के अनुरूप भी होनी चाहिए।

3.3.3. भावी छात्रों को भारतीय और विदेशी, दोनों उच्चतर शिक्षा संस्थानों की प्रवेश संबंधी अपेक्षाओं को पूरा करना होगा और उसे दोनों संस्थानों में अलग-अलग आवेदन करना होगा और दोनों संस्थानों में अलग-अलग प्रवेश प्राप्त करना होगा।

3.3.4. छात्रों को भारतीय संस्थान से कुल 'क्रेडिट' का कम से कम 30 प्रतिशत अर्जित करना होगा। भारतीय छात्रों द्वारा विदेशी संस्थान से अर्जित किए जाने वाले 'क्रेडिट' और भारतीय संस्थानों से विदेशी छात्रों द्वारा अर्जित 'क्रेडिट' पारंपरिक पद्धति के माध्यम से प्राप्त किए जाएंगे।

3.3.5 किसी संस्थान में पाठ्यक्रम(मों) के लिए अर्जित 'क्रेडिट' को दोनों संस्थानों द्वारा प्रदान की जाने वाली उपाधियों हेतु गिना जाएगा।

3.3.6. सहयोगी उच्चतर शिक्षा संस्थान यह सुनिश्चित करेंगे कि छात्रों द्वारा अर्जित 'क्रेडिट' अतिव्यापी पाठ्यक्रम विषयवस्तु/ पाठ्यचर्या से नहीं होंगे; और जिस संस्थान में छात्र उक्त पाठ्यक्रम के लिए पंजीकृत है उसके प्रत्येक पाठ्यक्रम के लिए छात्र केवल एक परीक्षा देगा और मूल्यांकन प्रणाली से गुजरेगा।

3.3.7. डॉक्टोरल उपाधि कार्यक्रम के मामले में, प्रत्येक संस्थान में एक छात्रों के लिए शोध पर्यवेक्षक होना चाहिए। अध्ययन कार्यक्रम के दौरान छात्रों को प्रत्येक सहयोगी संस्थान में कम से कम एक सेमेस्टर बिताना होगा। तथापि, भागीदार संस्थानों द्वारा संयुक्त रूप से तैयार किए गए ढांचे का अनुपालन करते हुए छात्रों को एक शोध प्रबंध भी जमा करना होगा।

3.3.8. कार्यक्रम की संपूर्ण अवधि के लिए यथा लागू, शुल्क (विदेशी उच्चतर शिक्षा संस्थान द्वारा प्रदान किए गए पाठ्यक्रमों सहित) को प्रवेश के समय सार्वजनिक किया जाएगा। शुल्क ढांचा तर्कसंगत होना चाहिए ताकि गुणवत्तापूर्ण उच्चतर शिक्षा तक समाज के सभी वर्गों की पहुंच हो तथा यह किफायती हो।

3.3.9. प्रत्येक संस्थान अपने संबंधित पाठ्यक्रमों के लिए एक प्रतिलेख जारी करेगा, जिसमें यह टिप्पणी होगी कि छात्र ने भागीदार संस्थान में कुछ मॉड्यूल किए हैं।

3.3.10. सहयोगी उच्चतर शिक्षा संस्थान, उन छात्रों के लिए निकास मार्ग की व्यवस्था करेंगे जो छात्रों द्वारा अर्जित 'क्रेडिटों' की भावी संस्वीकृति के संबंध में स्पष्ट विनिर्देशों के साथ युगल कार्यक्रम को पूर्ण करने में असमर्थ हैं।

3.3.11. दोहरी उपाधि कार्यक्रम की पेशकश से संबंधित अन्य सभी उपबंध सहभागी संस्थानों द्वारा अपने संबंधित संस्थान और देश के संबंधित नियमों, विनियमों और कानूनों के अनुरूप पारस्परिक रूप से तय किए जाएंगे।

4. सहयोग हेतु शर्तें:-

4.1. भारतीय उच्चतर शिक्षा संस्थान, किसी भी विदेशी उच्चतर शिक्षा संस्थान के साथ शैक्षिक सहयोग के लिए अपने उपयुक्त प्राधिकारी, जैसे शासी बोर्ड/ प्रबंधन बोर्ड/ सिंडिकेट/ कार्यकारी परिषद् का अनुमोदन प्राप्त करेंगे।

4.2. भारतीय उच्चतर शिक्षा संस्थान, तकनीकी, चिकित्सा, विधि, कृषि और ऐसे अन्य पेशेवर कार्यक्रमों में सहयोग करने से पूर्व संगत सांविधिक परिषदों/ निकायों से आवश्यक अनुमोदन प्राप्त करेंगे।

4.3. भारतीय उच्चतर शिक्षा संस्थान, विशिष्ट देशों के साथ सहयोग के लिए समय-समय पर भारत सरकार द्वारा विहित मानदंडों का अनुपालन करेंगे।

4.4. भारतीय उच्चतर शिक्षा संस्थानों की प्रयोगशाला, पुस्तकालय और कार्यशाला सुविधाओं सहित शैक्षिक अवसंरचना, संगत पेशेवर सांविधिक परिषदों/निकायों की अपेक्षाओं को पूरा करेगी।

4.5. भारतीय उच्चतर शिक्षा संस्थान को सहयोग हेतु अपने सहयोगी विदेशी उच्चतर शिक्षा संस्थान(नों) के साथ एक लिखित समझौता ज्ञापन अथवा करार करना होगा। समझौता ज्ञापन अथवा करार में सहयोग के प्रयोजन और संबंधित उपबंधों का विवरण स्पष्ट रूप से सम्मिलित होना चाहिए।

4.6. सहयोगात्मक व्यवस्थाओं के तहत शैक्षिक अपेक्षाओं तथा पेशकश किए जाने वाले अध्ययन कार्यक्रम(मों) के अन्य विवरणों को ऐसे कार्यक्रमों के आरंभ होने से पूर्व भारतीय और विदेशी, दोनों उच्चतर शिक्षा संस्थानों की वेबसाइटों में स्पष्ट रूप से प्रदर्शित करके सार्वजनिक किया जाएगा।

4.7. जहां कहीं भी विदेशी मुद्रा का लेन-देन शामिल हो, उच्चतर शिक्षा संस्थान (भारतीय और विदेशी), समय-समय पर भारतीय रिजर्व बैंक और भारत सरकार द्वारा जारी संगत विनियमों, मानदंडों, अधिसूचनाओं और अनुदेशों का अनुपालन करेंगे।

4.8. भारतीय उच्चतर शिक्षा संस्थान यह सुनिश्चित करेगा कि अध्ययन कार्यक्रम(मों) और/ अथवा पेशकश किए जाने वाले शोध कार्यक्रम, भारत की राष्ट्रीय सुरक्षा और क्षेत्रीय अखंडता के विरुद्ध नहीं है।

4.9. संबंधित संस्थान, इन विनियमों के सभी उपबंधों का अनुपालन करेंगे और भारत सरकार और समय-समय पर संबंधित सांविधिक निकाय(यों) द्वारा विनिर्दिष्ट किसी अन्य शर्त(तों) का भी अनुपालन करेंगे।

5. पात्रता:

भारतीय और विदेशी उच्चतर शिक्षा संस्थान, इन विनियमों के तहत युगल उपाधि, संयुक्त उपाधि और दोहरी उपाधि कार्यक्रमों की पेशकश करने के लिए पात्र होंगे बशर्ते वे निम्नलिखित पात्रता मानदंडों को पूरा करते हों: -

5.1. उपर्युक्त बिंदु 2.11 में उल्लिखित कोई भी भारतीय उच्चतर शिक्षा संस्थान, जो राष्ट्रीय मूल्यांकन और प्रत्यायन परिषद (एनएएसी) अथवा इस संबंध में प्राधिकृत किसी अन्य एजेंसी द्वारा मान्यता प्राप्त है और आवेदन करते समय 4-प्वाईंट स्केल पर न्यूनतम 3.01 अंक प्राप्तकर्ता है।

अथवा

जो आवेदन करते समय 'टाइम्स हॉयर एजुकेशन' अथवा 'क्यू.एस.वर्ल्ड यूनिवर्सिटी रैंकिंग' के शीर्षस्थ 1000 संस्थानों में स्थान रखता हो;

अथवा

जो आवेदन करते समय 'राष्ट्रीय संस्थागत रैंकिंग फ्रेमवर्क' (एनआईआरएफ) की विश्वविद्यालय श्रेणी में शीर्षस्थ 100 संस्थानों में स्थान रखता हो;

5.2. जैसा कि उपर्युक्त बिंदु 2.9 में उल्लिखित है, कोई भी ऐसा विदेशी उच्चतर शिक्षा संस्थान, जो आवेदन करते समय 'टाइम्स हायर एजुकेशन' अथवा 'क्यूएस वर्ल्ड यूनिवर्सिटी रैंकिंग' के शीर्षस्थ 1000 संस्थानों में स्थान रखता हो;

6. अंतर्राष्ट्रीय मामला संबंधी कार्यालय:-

सहयोगी भारतीय उच्चतर शिक्षा संस्थान में अंतर्राष्ट्रीय मामलों के लिए एक कार्यालय होगा जो एकल संपर्क बिंदु के रूप में कार्य करेगा और सभी सहयोगात्मक क्रियाकलापों को पूरा करने के लिए जिम्मेदार होगा, जिसमें असीमित रूप से निम्नवत शामिल हैं:

6.1. विनियामक/सांविधिक निकायों के साथ संपर्क करना;

6.2. विदेशी उच्चतर शिक्षा संस्थानों के साथ सहयोगात्मक व्यवस्था के अंतर्गत पंजीकृत सभी छात्रों के लिए समन्वय एजेंसी के रूप में कार्य करना;

6.3. सहयोगात्मक व्यवस्था के तहत विदेशी उच्चतर शिक्षा संस्थानों में विदेश जाने वाले भारतीय छात्रों से संबंधित मामलों पर कार्यवाही करना;

6.4. अभिलेखों का रखरखाव करना और अंतरराष्ट्रीय सहयोग से संबंधित जानकारी का प्रसार करना;

6.5. विदेशी छात्रों के लिए नोडल एजेंसी के रूप में कार्य करना और विदेशी छात्रों का स्वागत करने और उन्हें सहायता प्रदान करने से संबंधित सभी मामलों का समन्वय करना;

6.6. विदेशों में प्रचार संबंधी क्रियाकलापों और 'ब्रांड' तैयार करने के अभियान में जुटना;

6.7. शैक्षिक सहयोग से संबंधित जानकारी को उच्चतर शिक्षा संस्थान की वेबसाइट पर उपलब्ध कराना और जब कभी भी ऐसी जानकारी मांगी जाए, उसे आयोग को उपलब्ध कराना।

6.8. इन विनियमों के तहत पेशकश किए गए कार्यक्रमों में प्रवेश लेने वाले भारतीय और विदेशी छात्र, दोनों की शिकायतों को दूर करना।

7. विविध शर्तें:-

7.1 इन विनियमों के तहत प्रदान की गई उपाधि, निम्नवत विनिर्दिष्टताओं के साथ, भारतीय उच्चतर शिक्षा संस्थान द्वारा प्रदान की गई किसी भी समवर्ती उपाधि के समकक्ष होगी: (i) किसी भी प्राधिकरण से समकक्षता प्राप्त करने की कोई आवश्यकता नहीं होगी; और (ii) प्रदत्त उपाधि में, साधारणतया, किसी भारतीय उच्चतर शिक्षा संस्थान द्वारा प्रदान की जाने वाली उपाधि से जुड़े सभी लाभ, अधिकार और विशेषाधिकार होंगे।

7.2. इन विनियमों के तहत पेशकश किए जाने वाले कार्यक्रमों को ऑनलाइन और ओ.डी.एल. पद्धति से आयोजित करने की अनुमति नहीं दी जाएगी।

7.3. इन विनियमों के तहत किसी भी विदेशी उच्चतर शिक्षा संस्थान और भारतीय उच्चतर शिक्षा संस्थान के बीच, गुप्त रूप से अथवा प्रकट रूप से, अथवा किसी भी नाम से, कोई 'फ्रेंचाईजी' व्यवस्था/ अध्ययन केन्द्र चलाने की अनुमति नहीं होगी।

7.4. विश्वविद्यालय अनुदान आयोग अधिनियम, 1956 की धारा 3 के तहत कोई समविश्वविद्यालय संस्थान मौजूदा समविश्वविद्यालय विनियमों के अनुरूप तथा इन विनियमों के उपबंधों का अनुपालन करते हुए शैक्षिक सहयोग करेगा।

7.5. सहयोग के लिए समझौता ज्ञापन/ करार में छात्र संबंधी दायित्व, शुल्क और अन्य वित्तीय व्यवस्थाएं, बौद्धिक संपदा अधिकार, छात्रों की उपस्थिति संबंधी पैटर्न, दोनों उच्चतर शिक्षा संस्थानों में अध्ययन कार्यक्रम के लिए उपस्थित रहने की अवधि, संयुक्त पर्यवेक्षण व्यवस्था, शोध प्रबंध की भाषा और परीक्षाएं, प्रवेश तथा मूल्यांकन प्रक्रिया और स्नातक प्रक्रिया, जहां कहीं भी लागू हो, से संबंधित उपबंध शामिल होंगे।

7.6. सहयोग से जुड़े विधिक मामलों सहित छात्रों की शिकायतों से संबंधित मामलों का निपटान शैक्षिक सहयोग करने वाले भारतीय उच्चतर शिक्षा संस्थान द्वारा किया जाएगा।

7.7. निगरानी अनिवार्य सार्वजनिक प्रकटीकरण के माध्यम से की जाएगी।

7.8. सहयोगी भारतीय उच्चतर शिक्षा संस्थान, आयोग को समय-समय पर शैक्षणिक सहयोग के संबंध में अपेक्षित जानकारी उपलब्ध कराएगा।

8. उल्लंघन किए जाने की स्थिति में परिणाम:-

8.1. यदि यह पाया जाता है कि संबंधित भारतीय उच्चतर शिक्षा संस्थान ने इन विनियमों का उल्लंघन किया है, तो आयोग अधिनियम की धारा 14 के तहत यथा उपबंधित, कार्रवाई करेगा और अपनी वेबसाइट तथा मीडिया के माध्यम से भी सूचित करेगा कि उक्त सहयोगात्मक व्यवस्था के तहत पेशकश किए जाने वाले अथवा चलाए जा रहे यह कार्यक्रम(मों) इन विनियमों के अनुरूप नहीं हैं।

8.2. आयोग, इन विनियमों का उल्लंघन करने के लिए भारतीय उच्चतर शिक्षा संस्थान(नों) के विरुद्ध यथा विहित आगे की कार्रवाई भी कर सकता है।

9. निवर्चन:-

9.1. इन विनियमों के निवर्चन के संबंध में किसी भी प्रश्न पर आयोग द्वारा निर्णय लिया जाएगा और इस मामले में उसका निर्णय अंतिम और बाध्यकारी होगा।

9.2. भारतीय और विदेशी उच्चतर शिक्षा संस्थानों के बीच सहयोगात्मक व्यवस्था के संबंध में उत्पन्न होने वाला कोई भी विवाद, भारतीय विधि द्वारा अभिनिर्णित होगा।

10. कठिनाई दूर करने की शक्ति:-

10.1. यदि इन विनियमों के उपबंधों को लागू करने अथवा प्रभावी बनाने में कठिनाई उत्पन्न होती है, तो आयोग, कठिनाई को दूर करने के लिए जैसा आवश्यक और उचित प्रतीत हो, भारत के राजपत्र में एक आदेश प्रकाशित कर वि०अ०आ० अधिनियम, 1956 अथवा इन विनियमों के उपबंधों से असंगत उपबंधों का लोप करने उपबंध कर सकता है।

बशर्ते कि इन विनियमों के लागू होने की तिथि से दो वर्षों की अवधि की समाप्ति के बाद आयोग द्वारा इस उपबंध के तहत कोई आदेश नहीं दिया जाएगा।

प्रो. रजनीश जैन, सचिव

[विज्ञापन III/4/असा./57/2022-23]

UNIVERSITY GRANTS COMMISSION
NOTIFICATION

New Delhi, the 2nd May, 2022

F. No. 4-1/2022(IC).—In exercise of the powers conferred by clauses (f) and (g) of sub-section (1) of section 26 of the University Grants Commission Act, 1956 and in supersession of the University Grants Commission (Promotion & Maintenance of Standards of Academic Collaboration between Indian and Foreign Educational Institutions) Regulations, 2016 notified vide Gazette Notification dated 11.07.2016, the University Grants Commission hereby makes the following Regulations, namely:-

1. Short title, application and commencement: -

1.1. These Regulations may be called the University Grants Commission (Academic Collaboration between Indian and Foreign Higher Educational Institutions to offer Twinning, Joint Degree and Dual Degree Programmes) Regulations, 2022 (hereafter referred to as the Regulations).

1.2. These regulations lay down the minimum standards for academic collaboration between Indian Higher Educational Institutions and foreign Higher Educational Institutions to offer Twinning, Joint Degree and Dual Degree Programmes.

1.3. These Regulations shall apply to-

1.3.1. Indian Higher Educational Institutions intending to collaborate with Foreign Higher Educational Institutions leading to award of degree(s); and

1.3.2. Foreign Higher Educational Institutions intending to collaborate with Indian Higher Educational Institutions.

1.4. These Regulations shall come into force on the date of their publication in the Official Gazette.

2. Definitions: -

2.1. "Act" means the University Grants Commission Act, 1956, as amended from time to time;

2.2. "Academic Collaboration" means academic partnership between Indian Higher Educational Institution(s) and Foreign Higher Educational Institution(s), put into place through an instrument of written Agreement for the purposes of

2.2.1. Twinning Programme

2.2.2. Joint Degree Programme;

2.2.3. Dual Degree Programme;

2.3. "Assessment and Accreditation Agency", in respect of a Foreign Higher Educational Institution, means an agency or body approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country or member of global network of accreditation bodies for the purpose of assessing, accrediting or assuring quality and standards of Higher Educational Institutions;

2.4. "Assessment and Accreditation Agency", in respect of an Indian Higher Educational Institution, means an agency recognized under the University Grants Commission (Recognition and monitoring of Assessment and Accreditation Agencies) Regulations, 2014;

2.5. "Commission" means the University Grants Commission established under section 4 of

the Act;

2.6. "Conventional mode" means a mode of providing learning opportunities through face-to-face interaction between the teacher and learner in regular class room environment but does not exclude supplementary instructions if any for the learner through use of online;

2.7. "Credit Recognition and Transfer" shall mean 'Credit' conferred by a Foreign Higher Educational Institution to be recognised, quantified and included towards the credit requirements for a programme delivered by an Indian Higher Educational Institution solely or jointly with a Foreign Higher Educational Institution and vice versa;

2.8. "Degree" means a degree awarded by an Indian Higher Educational Institution in accordance with the provisions of the section 22 of the UGC Act and a Degree awarded by a Foreign Higher Education Institution in accordance with the relevant rules and regulation of respective foreign country;

2.9. "Foreign Higher Educational Institution" means a Higher Educational Institution duly established or incorporated or recognised in a foreign country and offering academic and research programmes at the undergraduate and/or higher levels;

2.10. "Franchising" for the purpose of these regulations, means and includes the practice of allowing, formally or informally, any person or institution or organisation, other than the Higher Educational Institution recognised under these regulations for offering Twinning, Joint and Dual Degree programmes or any related activity on behalf of or in the name of the recognised Higher Educational Institution, and the terms "franchise" and "franchisee" shall be construed accordingly.

2.11. "Indian Higher Educational Institution" means a university within the meaning of Section 2(f) or an institution deemed to be university under Section 3 of the UGC Act, 1956;

2.12. "Programme" means educational programmes leading to award of Degree(s) including Post graduate and Doctoral programmes;

2.13. "Statutory Body" means a body established or incorporated by or under a Central Act to regulate, coordinate, determine and maintain standards of teaching, examination and research in universities or programme(s) of study, including professional programme(s) leading to the award of degree(s);

3. Provisions of Collaboration: -

Academic Collaboration between Indian and Foreign Higher Educational Institutions under these Regulations shall facilitate the following academic activities: -

3.1. Twinning Programme

3.1.1. "Twinning Programme" shall be a collaborative arrangement whereby students enrolled with an Indian Higher Educational Institution may undertake their programme of study partly in India, complying with relevant UGC Regulations, and partly in the Foreign Higher Educational Institution.

3.1.2. The degree offered under such twinning programmes shall be awarded by the Indian Higher Educational Institution only.

3.1.3. Under twinning programme, credits earned by the students at a Foreign Higher Educational Institution shall be counted towards the degree awarded by the Indian Higher Educational Institution. However, credits earned by the student from the Foreign Higher Educational Institution shall not exceed 30 per cent of the total credits for the

programme.

3.1.4. Credits to be earned by the Indian students from the foreign institution and credits earned by the foreign students from Indian institutions shall be obtained through conventional mode.

3.1.5. Each institution shall issue a transcript for their respective courses, with a remark indicating that the student has taken certain modules at the partner institution, wherever applicable.

3.1.6. The Indian Higher Educational Institution shall ensure that the credits earned by the students from the Foreign Higher Educational Institution shall not be from overlapping course contents/curriculum.

3.1.7. Fees as applicable for the entire duration of the programme (including courses imparted by the Foreign Higher Educational Institution) shall be made public at the time of admission. Fee structure should be reasonable so as to make quality Higher Education accessible and affordable to all sections of the society.

3.1.8. Any degree to be awarded under such twinning programme must be in conformity with the provisions of section 22 (3) of the UGC Act, 1956 and shall also be in conformity with the norms, standards and requirement for award of such degree, as laid down by the statutory authority concerned.

3.1.9. The collaborating Higher Educational Institutions shall make provisions for exit pathways for students who are unable to complete the Twinning programme with clear specification with respect to future acceptance of credits earned by the students.

3.2. Joint Degree Programme

3.2.1. For a "Joint Degree programme", the curriculum shall be designed jointly by the collaborating Indian and Foreign Higher Educational Institutions and, upon completion of the programme, the Degree is awarded by the Indian Higher Educational Institution and the collaborating Foreign Higher Educational Institution with a single Certificate.

3.2.2. Any Joint degree programme to be offered shall conform to the nomenclature and duration of the degrees as specified in section 22 (3) of the UGC Act, 1956 and shall also conform to minimum eligibility and other norms and standards to offer such degree programme.

3.2.3. The students must earn at least 30 per cent of the total credits from each of the Indian and Foreign Higher Educational Institutions. Credits to be earned by the Indian students from the foreign institution and credits earned by the foreign students from Indian institutions shall be obtained through conventional mode.

3.2.4. Credits earned for the course(s) in an institution shall count towards the degrees jointly awarded by both the institutions.

3.2.5. The collaborating Higher Educational Institutions shall ensure that the credits earned by the students shall not be from overlapping course contents/curriculum and the student shall submit to only one examination and evaluation process for each of the courses by the institutions in which he/she has registered for that course.

3.2.6. In case of a doctoral degree programme, students must have a supervisor at each institution. The student shall spend a minimum of one semester in each of the collaborating institutions during the study programme. However, the student shall submit a single thesis adhering to a framework jointly devised by the participating

institutions.

3.2.7. Fees as applicable for the entire duration of the programme (including courses imparted by the Foreign Higher Educational Institution) shall be made public at the time of admission. Fee structure should be reasonable so as to make quality Higher Education accessible and affordable to all sections of the society.

3.2.8. Each Higher Educational Institution shall issue a transcript for their respective courses, with a remark indicating that the student has taken certain modules at the partner institution.

3.2.9. The collaborating Higher Educational Institutions shall make provisions for exit pathways for students who are unable to complete the Joint Degree programme with clear specification with respect to future acceptance of credits earned by the students.

3.2.10. All other provisions related to offering of Joint Degree Programme shall be decided mutually by the participating institutions conforming to the respective rules, regulations and laws of their respective institution and country.

3.3. Dual Degree Programme

3.3.1. "Dual Degree Programme" shall be a programme jointly designed and offered by the Indian and Foreign Higher Educational Institutions in the same disciplines/subject areas and in the same level. The degrees for such programme shall be conferred by the Indian and Foreign Higher Educational Institutions, separately and simultaneously, upon completion of degree requirements of both the institutions. This shall not in any way be construed as two degree programmes in separate disciplines/subject areas and/or levels being pursued simultaneously.

3.3.2. Under the Dual degree programme, the degrees to be offered by an Indian Higher Educational Institution shall conform to the nomenclature and duration of the degrees as specified in section 22 (3) of the UGC Act, 1956 and shall also conform to minimum eligibility and other norms and standards to offer such degree programme.

3.3.3. Prospective students must meet the admission requirements of both the Indian and Foreign Higher Educational Institutions and shall apply to and be admitted separately to both the institutions.

3.3.4. The students must earn at least 30 percent of total credits from the Indian institution. Credits to be earned by the Indian students from the foreign institution and credits earned by the foreign students from Indian institutions shall be obtained through conventional mode.

3.3.5. Credit earned for the course(s) in an institution shall count towards degrees to be awarded by both the institutions.

3.3.6. The collaborating Higher Educational Institutions shall ensure that the credits earned by the students shall not be from overlapping course contents/curriculum; and the student shall submit to only one examination and evaluation process for each of the courses by the institutions in which he/she has registered for that course.

3.3.7. In case of a doctoral degree programme, students must have a supervisor at each institution. The student shall spend a minimum of one semester in each of the collaborating institutions during the study programme. However, the student shall submit a single thesis adhering to a framework jointly devised by the participating institutions.

3.3.8. Fees as applicable for the entire duration of the programme (including courses imparted by the Foreign Higher Educational Institution) shall be made public at the time of admission. Fee structure should be reasonable so as to make quality Higher Education accessible and affordable to all sections of the society.

3.3.9. Each of the Higher Educational Institutions concerned shall issue a transcript for its respective courses, with a remark indicating that the student has taken certain modules at the partner institution.

3.3.10. The collaborating Higher Educational Institutions shall make provisions for exit pathways for students who are unable to complete the Dual Degree programme with clear specification with respect to future acceptance of credits earned by the students.

3.3.11. All other provisions related to offering of Dual Degree Programme shall be decided mutually by the participating institutions conforming to the respective rules, regulations and laws of their respective institution and country.

4. Conditions for Collaboration: -

4.1. The Indian Higher Educational Institutions shall obtain the approval of its appropriate authority, like Board of Governors/Board of Management/Syndicate/Executive Council for academic collaboration with any Foreign Higher Educational Institution.

4.2. Indian Higher Educational Institutions shall seek necessary approval from the relevant Statutory Councils/ Bodies before entering into collaboration in technical, medical, legal, agricultural and such other professional programmes.

4.3. The Indian Higher Educational Institutions shall abide by the norms prescribed by the Government of India from time to time for collaboration with specific countries.

4.4. Academic infrastructure, including laboratory, library and workshop facilities of the Indian Higher Educational Institutions shall meet the requirements of the relevant professional Statutory Councils/ Bodies.

4.5. The Indian Higher Educational Institution shall have to enter into a written Memorandum of Understanding or Agreement with its partner Foreign Higher Educational Institution(s) for collaboration. The MoU or Agreement must categorically include the purposes and related provisions of collaboration.

4.6. The academic requirements and other details of the programme(s) of study to be offered under collaborative arrangements shall be made public by displaying prominently in the websites of both Indian and Foreign Higher Educational Institutions, before the commencement of such programmes.

4.7. Wherever foreign exchange is involved, the Higher Educational Institutions (Indian and foreign), shall abide by and comply with the relevant regulations, norms, notifications and instructions issued by the Reserve Bank of India and Government of India from time to time.

4.8. The Indian Higher Educational Institution shall ensure that the programme(s) of study and/or research offered is not against the national security and territorial integrity of India.

4.9. The Institutions concerned shall comply with all the provisions of these Regulations and also abide by any other condition(s) specified by the Government of India and Statutory Body (ies) concerned from time to time.

5. Eligibility:

The Indian and Foreign Higher Educational Institutions shall be eligible to offer Twinning, Joint Degree and Dual Degree programmes under these regulations provided they fulfil the following eligibility criteria: -

5.1. Any Indian Higher Educational Institution as mentioned in 2.11 which is accredited by National Assessment and Accreditation Council (NAAC) or any other Agency authorised in this behalf, with a minimum score of 3.01 on a 4-point scale at the time of application;

or

which figures in the top 1000 of Times Higher Education or QS World University ranking at the time of application;

or

which figures in the top 100 in university category of National Institutional Ranking Framework (NIRF) at the time of application;

5.2. Any Foreign Higher Educational Institution as mentioned in 2.9 figuring in top 1000 of Times Higher Education or QS World University ranking at the time of application.

6. Office for International Affairs: -

The Collaborating Indian Higher Educational Institution shall have an office for International Affairs which shall function as single point of contact, and shall be responsible for carrying out all collaborative activities including, but not limited to:

6.1. Liaising with regulatory/statutory bodies;

6.2. Working as coordinating agency for all students registered under collaborative arrangements with Foreign Higher Educational Institutions;

6.3. Addressing matters related to Indian students proceeding abroad to Foreign Higher Educational Institutions under collaborative arrangements;

6.4. Maintaining records and disseminate information related to international collaborations;

6.5. Working as the nodal agency for foreign students and coordinate all matters relating to welcoming and supporting foreign students;

6.6. Engaging in promotional activities and brand building campaign abroad;

6.7. Making information relating to academic collaboration available on the Higher Educational Institution's website and provide the same to Commission whenever asked for.

6.8. Addressing the grievances of students, both Indian and foreign, who take admission in programmes offered under these Regulations.

7. Miscellaneous conditions: -

7.1. The Degree awarded under these Regulations shall be equivalent to any corresponding degree awarded by the Indian Higher Educational Institution with the following stipulations: (i) there shall be no further requirement of seeking equivalence from any authority; and (ii) the degree shall have all benefits, rights and privileges as obtaining in the case of degree, awarded by an Indian Higher Educational Institution ordinarily.

7.2. The programmes offered under these Regulations shall not be allowed in online and ODL mode.

7.3. No franchise arrangement/Study Centre, whether overtly or covertly, by whatever nomenclature

used, between a Foreign Higher Educational Institution and an Indian Higher Educational Institution shall be allowed under these Regulations.

7.4. An Institution Deemed to be a University under section 3 of the University Grants Commission Act, 1956 shall enter into academic collaboration in accordance with the extant Deemed to be University Regulations and also in compliance with the provisions of these Regulations.

7.5. The MoU/Agreement for collaboration shall include provisions related to student obligations, fees and other financial arrangements, intellectual property rights, student's attendance patterns, duration of stay for the study programme in both the Higher Educational Institutions, joint supervision arrangements, language of thesis and examinations, admission and evaluation process and graduation procedures, wherever applicable.

7.6. Matters relating to the grievances of students, including legal matters relating to the collaboration shall be addressed by the Indian Higher Educational Institution entering into academic collaboration.

7.7. The monitoring shall be done through mandatory public disclosure.

7.8. The collaborating Indian Higher Educational Institution shall furnish information regarding the academic collaboration, as required by the Commission from time to time.

8. Consequence of violations: -

8.1. If the Indian Higher Educational Institution concerned is found to have violated these Regulations, the Commission shall take action as provided under section 14 of the Act and shall also notify on its website and also through media that the programme(s) offered or conducted through the said collaborative arrangements are not in conformity with these Regulations.

8.2. The Commission may also take further action as prescribed against Indian Higher Educational Institution(s) for violating these Regulations.

9. Interpretation: -

9.1. Any question as to the interpretation of these Regulations shall be decided by the Commission and its decision shall be final and binding in the matter.

9.2. Any dispute arising in relation to collaborative arrangement between Indian and Foreign Higher Educational Institution(s) shall be governed by the Indian law.

10. Power to remove difficulty:-

10.1. If any difficulty arises in implementation or in giving effect to the provisions of these Regulations, the Commission may by an order published in the official gazette make provisions, not inconsistent with the provisions of the UGC Act, 1956 or these Regulations, as may appeared to be necessary or expedient for removing the difficulty.

Provided that no order under this provision shall be made by the Commission after the expiry of a period of two years from the date of coming into force of these Regulations.

Prof. RAJNISH JAIN, Secy.

[ADVT.-III/4/Exty./57/2022-23]

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हरियाणा केंद्रीय विश्वविद्यालय

(संसद के अधिनियम संख्या-25 (2009) के तहत स्थापित)

जांट-पाली, महेंद्रगढ़

CENTRAL UNIVERSITY OF HARYANA

(Established vide Act No. 25 (2009) of Parliament)

Jant-Pali, Mahendergarh

CUH/LAW/247 **Date: 31/08/2021**

CENTRAL UNIVERSITY OF HARYANA
DEPARTMENT OF LAW

MINUTES OF THE MEETING OF BOARD OF STUDIES

A Meeting of Board of Studies was held on 27/08/2021 at 10:30 A.M in the office of Dean, School of Law.

The following were present:-

1. Dr.Monika, Associate Professor, Head, Department of Law, CUH.
2. Prof. Rajesh Kumar Malik, Professor& Dean, Department of Law, CUH.
3. Prof. J.S. Jakhar, Professor,Department of Law, CDLU, Sirsa,Haryana. (External Expert).
4. Prof. Nuzhat Parveen Khan,Professor, Department of Law, Jamia Millia Islamia, NewDelhi.(External Expert) (Online Mode).
5. Dr. Anju, Assistant Professor, Department of Law, CUH (Internal Member).

1 **Considered the recommendations of DRC and approved the research topic and name of the supervisor of the following Research Scholars as mentioned against their names:**

Sr. No.	Name of Candidate	Topic Recommended by DRC	Topic Approved by BOS	Name of Supervisor
1	SEEMA	International Commercial Arbitration: An Analysis Of Legislative Provisions With Reference To Contemporary Issues In India	International Commercial Arbitration: An Analysis Of Legislative Provisions With Reference To Contemporary Issues In India	PROF. RAJESH KUMAR MALIK
2	ASHISH KAJAL	Problem Of Excessive Acquittal Rate In Criminal Trials Of Sexual Assault With Special Reference To National Capital, Delhi	Excessive Acquittal Rate In Criminal Trials Of Sexual Assault With Special Reference To National Capital, Delhi: A Critical Study	DR. KULWANT SINGH
3	DHARAMPAL	A Constant Rise In Custodial Violence In India: A Threat To Constitutional Jurisprudence	Rise In Custodial Violence In India: A Threat To Constitutional Jurisprudence	DR. DHARAMPAL SINGH PUNIA
4	RAVINDER YADAV	Electoral Reforms In India: Issues And Challenges	Electoral Reforms In India: Issues And Challenges	PROF. RAJESH KUMAR MALIK
5	RITU SHARMA	Economic Sustainability Of Insolvency And Bankruptcy Laws In India: Need For Reforms	Economic Sustainability Of Insolvency And Bankruptcy Laws In India: Need For Reforms	DR. MONIKA

6	RAVINDER BEDI	Law Relating To Protection Of Witnesses Under Adversarial Court System In India: A Socio Legal Study	Law Relating To Protection Of Witnesses In India: A Socio Legal Study	DR. PARDEEP SINGH
7	KANWAR SINGH	Cyber-Crime In India: Emerging Issues And Challenges	Cyber-Crime In India: Emerging Issues And Challenges	PROF. RAJESH KUMAR MALIK
8	MANJEET PAL	Administrative Transparency Vis-A-Vis Lokpal In India: Emerging Issues And Challenges	Administrative Transparency Vis-A-Vis Lokpal In India: Emerging Issues And Challenges	DR. KULWANT SINGH
9	CHHAVI AHLAWAT	Enforcement Of Uniform Civil Code In India: Issues And Challenges	Enforcement Of Uniform Civil Code In India: Issues And Challenges	DR. MONIKA
10	AADITYA KUMAR	Right To Safe Drinking Water: A Critical Study Of Legislative Framework In India	Right To Safe Drinking Water: A Critical Study Of Legislative Framework In India	DR. DHARAMPAL SINGH PUNIA
11	ABHILASH AGGARWAL	Changing Paradigm Of Divorce Litigations With Special Reference To National Capital, Delhi: An Analysis	Changing Paradigm Of Divorce Litigations With Special Reference To National Capital, Delhi: An Analysis	DR. DHARAMPAL SINGH PUNIA
12	VIJETA	Changing Dimensions Of Crime Against Children In India: A Socio Legal Study	Changing Dimensions Of Crime Against Children In India: A Socio Legal Study	DR. ANJU BENIWAL
13	SWECHHA MALIK	Restructuring Of Environmental Laws In India To Combat Climate Change: A Case Study Of Thermal Plants In Haryana.	Restructuring Of Environmental Laws In India To Combat Climate Change: A Case Study Of Thermal Plants In Haryana.	DR. MONIKA
14	CHANCHAL	Contemporary Challenges To Judicial Reforms In India: A Critical Analysis	Contemporary Challenges To Judicial Reforms In India: A Critical Analysis	DR. PARDEEP SINGH
15	RAINA MANN	Protection Of Rights Of Female Prisoners With Special Reference To State Of Haryana: A Socio Legal Study	Protection Of Rights Of Female Prisoners With Special Reference To State Of Haryana: A Socio Legal Study	PROF. RAJESH KUMAR MALIK
16	VIJYETA SINGH DHONCHAK	Civil Liberty Vis-À-Vis Contempt Of Court: A Comparative Study	Civil Liberty Vis-À-Vis Contempt Of Court: A Comparative Study	DR. MONIKA
17	MAMTA DEVI	Media Trial And Its Impact On Criminal Justice System: An Analysis Of Judicial Response In India	Media Trial And Its Impact On Criminal Justice System: An Analysis Of Judicial Response In India	DR. SAMIKSHA GODARA
18	PAWAN KUMAR	Juvenile Justice System In India : An Appraisal With Special Reference To State Of Haryana	Juvenile Justice System In India : An Appraisal With Special Reference To State Of Haryana	DR. DHARAMPAL SINGH PUNIA
19	SAKSHI	Combating Illegal Immigration: A Critical Study With Special	Combating Illegal Immigration: A Critical Study With Special	DR. SAMIKSHA GODARA

		Reference To Legislative Framework In India	Reference To Legislative Framework In India	
20	SHRUTI	Administration Of Criminal Justice And Capital Punishment: An Analysis	Administration Of Criminal Justice And Capital Punishment: An Analysis	DR. ANJU BENIWAL
21	RISHI YADAV	Right To Property Of Women In India: Changing Scenario In Personal Jurisprudence	Right To Property Of Women In India: Changing Scenario In Family Jurisprudence	DR. KULWANT SINGH
22	DHEERAJ KUMAR	Right To Privacy In India With Special Reference To Data Protection: Issues And Challenges	Right To Privacy In India With Special Reference To Data Protection: Issues And Challenges	PROF. RAJESH KUMAR MALIK
23	KILOIGOMBE JOSEPH	Zeme Naga Customary Law In Administration Of Criminal Justice: A Constitutional And Other Legal Perspectives	Zeme Naga Customary Law In Administration Of Criminal Justice: Constitutional And Other Legal Perspectives	DR. SAMIKSHA GODARA

2. **Considered and approved the grant of credit to Mr. Vijay Kumar, Roll no. 191042, LL.M. Fourth Semester, Department of Law, for completing SWAYAM MOOC Course.**
3. **Considered and approved CBCS, LOCF and NEP-2020 Based Curriculum and Syllabus of LL.M. (2 Year) Course and LL.B. (3 Year) Professional Course.**

The meeting ended with vote of thanks to the chair

Dr. Monika
Head, Department of Law
Central University of Haryana

Copy of the above is forwarded to the following for information and necessary action, please.

1. All Members of Board of Studies, Department of Law, CUH.
2. P.S. to VC (for kind information of Hon'ble Vice-Chancellor) CUH.
3. P.A. to Registrar (for kind information of Registrar) CUH.
4. Controller of Examinations, Central University of Haryana

Dr. Monika
Head, Department of Law
Central University of Haryana

CUH/LAW/ **SCHOOL OF LAW** **Date: 17/05/2022**

Subject: Minutes of the Meeting of School Board, School of Law

The 2nd Meeting of the School Board, School of Law, constituted vide Notification CUH/2020/A&C/344 dated 23.06.2020 & CUH/2022/A&C/53 dated 23.03.2022, was held on 5th May, 2022 at 11:30 AM, through blended mode (Online/Offline) due to prevailing situation of COVID-19, in the office of Dean, School of Law and on Google Meet (online meeting platform) for which joining link i.e. meet.google.com/frn-jkhi-ctd was shared with the members, who requested for the same.

The following members were present:-

1. Dr. Rajesh Kumar Malik, Professor & Dean, School of Law, CUH. **(Offline)** — **Convener**
2. Dr. Naresh Kumar Vats, Professor of Law & Registrar, Rajiv Gandhi National University of Law, Patiala. **(Online)** — **External Expert**
3. Dr. Amar Pal Singh, Professor, University School of Law and Legal Studies, GGSIPU, New Delhi. **(Online)** — **External Expert**
4. Dr. Rattan Singh, Professor, University Institute of Legal Studies, Panjab University, Chandigarh. **(Online)** — **External Expert**
5. Dr. Vandana, Professor, Faculty of Law, University of Delhi, Delhi. **(Online)** — **External Expert**
6. Dr. Deepak Chauhan, Professor, Department of Law, Central University of Punjab, Bathinda, Punjab. **(Offline)** — **External Expert**
7. Dr. Monika, Associate Professor & Head, Department of Law, CUH. **(Offline)** — **Internal Member**

Dr. Pardeep Singh, Assistant Professor, Internal Member, Department of Law, CUH, did not attend the meeting.

The School Board unanimously resolved as under:

Sr. No.	Agenda Items	Decision Taken
1	To Confirm the minutes of the previous meeting of School Board held on 24.07.2020	Confirmed & Approved

2	To consider the CBCS, LOCF and NEP, 2020 Based, Curriculum and Syllabi of LL.B (3 year) Professional Course recommended Board of Studies in its meeting held on 27/08/2021. **(Annexure-A)**	The School Board deliberated the agenda in details and suggested certain amendments / additions/ modifications. The same were incorporated. The School Board accordingly resolved that the Ordinance, Scheme and Syllabus of LL.B (3-Year) Professional Course under CBCS (Semester System) recommended by and Board of Studies in its meeting held on 27/08/2021 be approved. **(Annexure-A)**
3	To consider the CBCS, LOCF and NEP, 2020 Based, Curriculum and Syllabi of LL.M (2 year) Course recommended by Board of Studies in its meeting held on 27/08/2021. **(Annexure-B)**	The School Board deliberated the agenda in details and suggested certain amendments / additions/ modifications. The same were incorporated. The School Board accordingly resolved that the Ordinance, Scheme and Syllabus of LL.M. (2-Year) Course under CBCS (Semester System) recommended by and Board of Studies in its meeting held on 27/08/2021 be approved. **(Annexure-B)**
4	To consider any other item with the permission of the chair.	No item was considered and discussed

Note: The School Board also resolved that the Convener, School Board is authorized to make the changes if required to bring the CBCS, LOCF and NEP, 2020 Based, Curriculum and Syllabi of LL.B (3 year) Professional Course & LL.M. (2 Year) Course as resolved above, within the rules and regulations of the University and uniformity with other Schools/Departments of the University, if required at any stage.

Professor Rajesh Kumar Malik
Dean, School of Law
Chairman/Convenor, School Board, School of Law, CUH, MGH, Haryana

Copy of the above is forwarded to the following for information and necessary action, please.

1. Prof. Naresh Kumar Vats, Professor of Law, Rajiv Gandhi National University of Law, Patiala.
2. Prof. Amar Pal Singh, Professor, University School of Law and Legal Studies, GGSIU, New Delhi.
3. Prof. Rattan Singh, Professor, University Institute of Legal Studies, Punjab University, Chandigarh.

4. Prof. Vandana, Professor, Head & Dean, Faculty of Law, University of Delhi, Delhi.
5. Prof. Deepak Chauhan, Head, Department of Law, Central University of Punjab, Bathinda, Punjab.
6. Dr. Monika, Associate Professor & Head, Department of Law, CUH. (Internal Member)
7. A.R. to VC (for kind information of Hon'ble Vice-Chancellor), CUH.
8. PS to Registrar (for kind information of Registrar), CUH.
9. A.R to Finance (for kind information of Finance Officer), CUH.
10. AR, Academic Branch, CUH.
11. Controller of Examination, CUH.

Professor Rajesh Kumar Malik
Dean, School of Law
Chairman/Convenor, School Board, School of Law, CUH, MGH, Haryana

CENTRAL UNIVERSITY OF HARYANA

(*Established under the Central Universities Act, 2009*)

(NAAC Accredited 'A'-Grade)

CBCS, LOCF and NEP, 2020 Based

Curriculum and Syllabi Of

LL.M. (2 Year) Course

(W.e.f. 2022-23 Onwards)

DEPARTMENT OF LAW
SCHOOL OF LAW

Approved by:	BOS	School Board	Academic Council
Approval Status:	√	√	x or √
Approval Date:	27/08/2021	05/05/2022	

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VISION AND MISSION

i) Vision and Mission of University

Vision

To foster enlightened citizenship in a knowledge-based society for the peace and prosperity of people, nations and the planet by encouraging innovation, creative endeavours and scholarly inquiry.

Mission

To serve as a beacon of change, through multi-disciplinary learning, for the creation of a knowledge community, by building a strong character and nurturing value-based transparent work ethics, promoting creative and critical thinking for holistic development and self-sustenance for the people of India. The University seeks to achieve this objective by cultivating an environment of excellence in teaching, research and innovation in the main field and applied areas of learning.

ii) Vision and Mission of Department

Vision

To establish a world-class teaching and research reputation of the department that contributes to society through its innovative, creative and scholarly approach.

Mission

To educate the students by adopting the highest academic and professional standards and to meet the global competency in the field of legal education. To establish and maintain a high quality of support, research facilities, multidisciplinary & skill-based learning opportunities for our staff, students and researchers to orient them to world-class creative and innovative minds.

iii) Mapping of Vision and Mission

Vision and Mission of the University	Vision and Mission of the Department
To develop enlightened citizenship of a knowledge-based society for peace and prosperity of individuals, nation and the world, through the promotion of innovation, creative endeavours, and scholarly inquiry.	**Yes**
To serve as a beacon of change, through multi-disciplinary learning, for the creation of a knowledge community, by building a strong character and nurturing value-based transparent work ethics, promoting creative and critical thinking for holistic development and self-sustenance for the people of India.	**Yes**
The University seeks to achieve its objectives by cultivating an environment of excellence in teaching, research and innovation in the main field and applied areas of learning.	**Yes**

1. BACKGROUND

i) NEP-2020 and LOCF: An Integrated Approach

Considering the curricular reforms as instrumental for desired learning outcomes, all the academic departments of the Central University of Haryana have made a rigorous attempt to revise the curriculum of undergraduate and postgraduate programmes in consonance with the National Education Policy, 2020 and UGC Quality Mandate for Higher Education Institutions, 2021. The process of revising the curriculum could be prompted by the adoption of the "Comprehensive Roadmap for Implementation of NEP, 2020" in the 32nd meeting of the Academic Council of the University held on April 23, 2021. The Roadmap identified the key features of the Policy and elucidated the Action Plan with well-defined responsibilities and an indicative timeline for major academic reforms.

The process of revamping the curriculum started with a series of webinars and discussions conducted by the University to orient the teachers about the key features of the Policy, enabling them to revise the curriculum in sync with the Policy. The proper orientation of the faculty about the vision and mission of NEP, 2020 made it easier for them to appreciate and incorporate the vital aspects of the Policy in the revised curriculum focused on 'creating holistic, thoughtful, creative and well-rounded individuals equipped with the key of 21st-century skills for the 'development of an enlightened, socially conscious, knowledgeable, and skilled nation'.

With NEP, 2020 in background, the revised curricula articulate the spirit of the policy by emphasising upon an integrated approach to learning; innovative pedagogies and assessment strategies; multidisciplinary and cross-disciplinary education; creative and critical thinking; ethical and Constitutional values through value-based courses; 21st century capabilities across the range of disciplines through life skills, entrepreneurial and professional skills; community and constructive public engagement; social, moral and environmental awareness; Organic Living and Global Citizenship Education (GCED); holistic, inquiry-based, discovery-based, discussion-based, and analysis-based learning; exposure to Indian knowledge system, cultural traditions and classical literature through relevant courses offering 'Knowledge of India'; fine blend of modern pedagogies with indigenous and traditional ways of learning; flexibility in course choices; student-centric participatory learning; imaginative and flexible curricular structures to enable creative combination of disciplines for study; offering multiple entry and exit points initially in undergraduate programmes; alignment of Vocational courses with the International Standard Classification of Occupations maintained by the International Labour Organization; breaking the silos of disciplines; integration of extra-curricular and curricular aspects; exploring internships with local industry, businesses, artists and crafts persons; closer collaborations between industry and higher education institutions for technical , vocational and science programmes; and formative assessment tools to be aligned with the learning outcomes, capabilities, and dispositions as specified for each course. In the case of UG programmes in Engineering and Vocational Studies, it was decided that

the University Teaching Departments shall incorporate pertinent NEP recommendations while complying with AICTE, NBA, NSQF, International Standard Classification of Occupations, Sector Skill Council and other relevant agencies/sources. The University has also developed a consensus on the adoption of Blended Learning with 40% component of online teaching and 60% face-to-face classes for each programme.

The revised curricula of various programmes could be devised with concerted efforts of the faculty, Heads of the Departments and the Deans of Schools of Study. The draft prepared by each University Teaching Department was discussed in a series of discussion sessions conducted at the Department, School and University levels. The leadership of the University has been a driving force behind the entire exercise of developing the uniform template and structure for the revised curriculum. The Vice-Chancellor of the University conducted a series of meetings with Heads and Deans to deliberate upon the vital parameters of the revised curriculum to formulate a uniform template featuring Background, Programme Outcomes, Programme Specific Outcomes, Postgraduate Attributes, Structure of Masters Course, Learning Outcome Index, Semester-wise Courses and Credit Distribution, Course-level Learning Outcomes, Teaching-Learning Process, Blended Learning, Assessment and Evaluation, Keywords, References and Appendices. The experts of various Boards of Studies and School Boards contributed to a large extent in giving the final shape to the revised curriculum of each programme.

To ensure the implementation of curricular reforms envisioned in NEP, 2020, the University has decided to implement various provisions in a phased manner. Accordingly, the curriculum may be reviewed annually.

ii) About the Law

The term "Law' denotes different kinds of Rules and Principles. Law is an instrument that regulates human conduct/behavior. Law means Justice, Morality, Reason, Order, and Righteous from the viewpoint of society. Law means Statutes, Acts, Rules, Regulations, Orders and Ordinances from the point of view of the legislature. Law means Rules of court, Decrees, Judgments, Orders of courts, and Injunctions from the point of view of the Judges. Accordingly,

Law is a broader term that includes Acts, Statutes, Rules, Regulations, Orders, Ordinances, Justice, Morality, Reason, Righteous, Rules of court, Decrees, Judgments, Orders of courts, Injunctions, Tort, Jurisprudence and Legal Theory, etc.

In the old English system "Lagu" i.e., law, ordinance, rule, regulation from Old Norse "Lagu" law collective Plural of "Lag" is layer, measure, stroke 'Literally' something laid down of fixed.

The term law has different meanings in different Places/societies at different times as it is subject to amendments. In the Hindu religion, the law implies "Dharma," in the Islamic religion it is known as "Hokum", in Roman its "Jus", in French, its "Droit," in Arabic, Alqanoon, in Persian and Turkish, it Kunoon, in Latin its "Legam", in Philipino its "Batas", in the Albanian language its "Ligj", in Czech its "Zakon", in Danish its "Lor", in Dutch its "Wet", in Italian its "Legge" and Lithuanian its "Teise" and so on. It varies from place to place, differs from religion to religion in the sense of personal laws viz. For instance, A Muslim can marry four wives living at a time i.e. Polygamy, but a Hindu can have only one wife living at a time i.e. Monogamy. If a Hindu male marries again during the lifetime of his first wife, he is declared guilty of the offense of bigamy and is Punishable under Section 494, Indian Penal Code, 1860. The law is subject to change with the change in society and also changes in the Governmental/legislative acts through the amendments/Acts.

Generally, the term law is used to mean three things:

First, it is used to mean "legal order". It represents the regime of adjusting relations and ordering conduct by the systematic application of the force of organized political society.

Secondly, the law means the whole body of legal Percepts which exists in a politically organized society.

Thirdly, the law is used to mean all official controls in a politically organized society. This led to the actual administration of Justice as contrasted with the authoritative material for the guidance of judicial Action. Law in its narrowest or strict sense is the civil law or the law of the land.

Origin of Law

In Ancient Egyptian Era, dating back to 3000 BC, had a civil code that was probably broken into twelve books, it was based on the concept of Ma'at characterized by traditional rhetorical speech, social equality and impartiality by the 22nd century BC, Ur-nammu, an ancient Sumerian ruler, formulated the first law code consisting of casuistic statements (if…then…"). Around 1960 BC, King Hammurabi further developed Babylonian law, by codifying and inscribing it in stone. Hammurabi placed several copies of this code throughout the kingdom of Babylon as Stelae, for the entire public to see this known as the 'Codex Hammurabi'.

Ancient India and China represent the distinct tradition of law and had historically independent schools of legal theory and practice. The Arthashastra, dating from 400 BC and the Manusmriti from 100 BCE was an influential treatise in India, but this Hindu tradition, along with Islamic law was supplanted by the common law when India became part of the British Empire. Malaysia, Brunei, Singapore and Hongkong also adopted the common law. Japan was the first country to begin modernizing its legal system along the western lines by importing bits of the French Law but mostly channeled it into the German Civil Code. Similarly, traditional Chinese law gave way to westernization towards the final years of the dynasty in the form of six private law codes based mainly on the Japanese model of German law.

One of the major legal systems developed during the Middle Ages was Islamic law and Jurisprudence. During the classical period of Islamic law and jurisprudence, "Hawala" and institution of law was an early informal transfer system that is mentioned in the text of Islamic Jurisprudence as early as the 8th century. Hawala itself later influenced the development of the "Aval" in French civil law and Avallo in Italian law. Roman law was heavily influenced by Greek teachings.

iii) About the Programme: Nature, Extent and Aims

Legum Magister or Master of Laws, is a two-year, Master's Degree in the discipline of Law that is offered to aspirants by many renowned

Universities /Colleges/Institutes in India including the Central University of Haryana, Mahendergarh, Haryana. The students can pursue this law course only if they possess a graduation degree in the field of law i.e., LL.B. (3 Year) Professional Course or B.A. LL.B. (5 Year) course or any other degree in the field of law equivalent to LL.B. degrees. The two-year LL.M. course offered at all law Universities/Colleges/Institutes in India is regulated and closely supervised jointly by the University Grants Commission and the Bar Council of India (BCI), a statutory body constituted under the Advocates Act, 1961.

The two-year law course i.e., LL.M. is structured in such a way that the curriculum is divided into four semesters. The candidates are awarded a degree only when they complete all the semesters of this two-year LL.M. course. As a part of the LL.M. degree offered at the most popular law Universities/Colleges/Institutes in India, the candidates need to take part in regular theory classes and tutorial work, etc.

The candidates who want to pursue the LL.M. course should fulfill certain requirements to be eligible. The eligibility criteria for a two-year LL.M. course as mentioned by the University Grants Commission is such as:

A. Candidates need to be graduates in the field of law i.e., they should have passed an LL.B. (3 Year) Professional Course or B.A. LL.B. (5 Year) Course to pursue LL.M. course.

B. Apart from the criteria above-mentioned at point 'A', some centers of Legal education/Colleges/Universities also fix a minimum percentage requirement that candidates need to fulfill to secure admission in the two-year LL.M. course offered by them. The (minimum) percentage requirement for General category candidates ranges from 45% to 55% and that for SC/ST category candidates, it ranges between 35% to 45%.

Although some Universities/Colleges/Institutes offer admission to candidates based on merit, however, the majority of the popular law colleges/ universities in India offer admission to aspirants based on either a national-level law entrance examination or based on an entrance examination conducted by them. Some popular law entrance examinations

that candidates can consider to appear to secure admission in LL.M. are CUCET i.e., Central Universities Common Entrance Test, CLAT i.e., Common Law Admission Test, etc.

LL.M. (2 Year) Course is a popular course offered as part of the law stream. Law as a career choice is highly demanding and requires aspirants to be thorough with their subject and be willing to work long hours. Thus, candidates wishing to join this field need to possess the fluency and clarity of speech, objectivity, intellect, convincing power, ability to argue on a topic, persuasiveness and mental and physical stamina to perform better in the legal field.

The programme includes a balanced combination of Core, Electives and Skill-based Courses divided into various specialized groups. The courses are designed in such a way to cover the entire spectrum of the legal field i.e. from fundamentals that will bring admitted students from various backgrounds to a common level to the most recent advancements in the field that will make them ready to take up challenging assignments in the real world.

The curriculum is being taught through formal lectures with the aid of new technological tools i.e. power point presentations and other audio/video tools as per requirement. Other teaching aids suiting to the nature of the topic/subject, can also be used as and when required. The additional requirements like educational tours, Legal Aid Programmes, project works and dissertation work on any special topis/area/field, are also incorporated into the curriculum.

The Aims of the programme include:

- To inculcate basic and advanced knowledge of legal aspects among students.
- To provide higher education, disciplinary and inter/multi-disciplinary research-oriented knowledge to the students to make them lifelong learners.

- To provide a learned, skilled and creative pool of post-graduate students of law, who are ready to take up challenging assignments in different kinds of Bench, LPOs, legal research institutions, advocacy and academia.
- To mold responsible, proactive citizens who are equipped with legal thinking and skills to address problems of their locality, equipped with their social responsibility.
- An adequate blend of theory, computation and hands-on legal experiments.
- The practical aspects of legal implementation in legal institutions.

iv) Qualification Descriptors: Possible Career Pathways

The ambition to enter the legal profession is usually drawn from inspiration. Most law aspirants tend to find their stimulus coming either from personal heroes (usually family members), fictional ones (Perry Mason, Alan Shore), or because they feel drawn by the idea that one person can truly make a difference.

From Mahatma Gandhi to Barack Obama, the list of luminaries who have used this profession as a stepping stone to greatness runs long and wide. Gone are the days when black robes and courtrooms were the bread and butter of lawyers. From swanky corporate offices to jobs in movies and the media, lawyers have moved many moons away from the conventional and now live very much in the real world.

So, the legal profession looks attractive enough, but what kind of person would make a great lawyer. Good communication skills are a given - both oral and written. A lawyer must also be fond of reading because you will need to do a fair bit of research to be effective at your job. However, the most important skill that you need to have is logical reasoning. You need to be able to look at matters objectively and come to your conclusions. There are a plethora of job opportunities available to candidates after they complete their LL.M. degree. Some popular job profiles that candidates can pursue after securing an LL.M. degree may be categorized as follows:

A. INDEPENDENT LEGAL PRACTIONER

The traditional career path is to "practice law" before the courts. But any fresh graduate needs to learn the ropes under a Senior Counsel. Therefore, the degree of post-Graduation i.e., LL.M. can be helpful to expertise fresh graduates. The graduates are now supposed to qualify for a Bar Exam before they join the Courts of Law. Litigations provide a wide range of employment options in both private and public spheres. Some of the specialized fields, out of which, anyone can choose according to his/her interest area, are as follows:

a. Criminal Lawyer

Criminal lawyers are responsible for representing their clients in court for criminal cases. They present cases in the court for their client in the local court, High Court, or the Supreme Court. Criminal lawyers argue their client's case in front of a judge, question witnesses, the people related to their case and review evidence. This field requires strong investigative and interpersonal skills. You must also have strong oration skills as you need to present your client's case as strongly as possible. Criminal lawyers are experts at conducting research, performing legal analysis and interacting with other people.

b. Corporate Lawyer

Corporate lawyers help companies in complying with the rules and regulations of their industry. They are responsible for assisting their client with all the legal processes related to a company's formation and management. As a corporate lawyer, you have to advise your client in claiming liability, business transactions and represent them in court during a trial. Corporate lawyers help their clients in reviewing and submitting legal documents related to their issues. Corporate lawyers must be familiar with many subjects including Competition Law, Advanced Company Law, Commercial Contract Drafting, M&A Transactions, Banking, and Financial Law, etc.

c. Civil Lawyer

Civil lawyers handle non-criminal litigation, but their duties are the same as criminal lawyers. Civil lawyers take over the litigation once a defendant hires them. A civil lawyer is responsible for all the case-related tasks, such as; communicating with the other party's lawyers and the judge, interviewing the people related to the case, filing motions, hiring expert witnesses, presenting the case and much more. There are many specializations among civil lawyers which makes the field quite diverse. Common specializations in this field include divorce law, taxation law and excise law, etc.

Listed below are some other fields in which one can get specialization and have a lucrative career in the legal field after passing the Master's Course:

- Taxation Law
- Labor Law
- International Law
- Family Law
- Constitutional Law
- Administration Law
- Patent Law etc.

B. GOVERNMENT SERVICES

The students can opt to join Government Services after completing their LL.M. Degree, if they prepare themselves, they would be eligible for appearing in Junior Research Fellowship (JRF), National Eligibility Test (NET), Admission in Ph.D. (Law), to join as academicians in the Universities/Colleges/Institutes, Examinations of State Judicial Services and the various other legal positions under the Central and State government which includes Legislative Counsel in the Legislative department and Legal advisors in the Department of Legal Affairs.

This requires the aspirants to qualify for the examination held by the Public Service Commission. Certain legislative counsels are appointed under the legislative department of Hindi as well as regional languages.

Those qualified would also be eligible to join the Air Force, Indian Army and the Navy as JAG. They are also eligible to crack the examinations like HAS and IAS organized by UPSC (Union Public Service Commission) or SPSC (State Public Service Commission). They also have the option of becoming an Assistant Public Prosecution or Public Prosecutor under the Prosecution Department of Central and State Governments.

The law post-graduates can study in detail the Indian Constitution, about powers and functions of government, how government works and many other things in detail which make them easy to Crack this examination after some extensive preparation. For this, after gaining some experience from the practice, they are appointed through an exam conducted by the Union Public Service Commission or by the State Public Service Commission.

C. LEGAL ADVISOR

After completing LL.M., the students can become a legal advisors or join law firms, Private Companies, Corporate firms, or Banks. A student can provide advice on various legal matters. Furthermore, legal expertise could also be used in NGOs. These provide their clients with legal advisory services. They also help people to make the correct decision in a given situation. Most large corporations and government organizations hire legal advisors. One of the most career options in the field of law is legal advisor. As a legal advisor, you are responsible for advising your client on legal issues, preventing litigation, and taking care of contractual and regulatory problems.

Legal advisors have to negotiate with the other party to resolve disputes and analyze contracts for their organization. Organizations rely on legal advisors to prevent legal disputes. Legal advisors usually offer advice to the top management of a company and work with them to resolve any legal dispute that arises.

Prominent skills in this sector include Legal Research, Contract Negotiation, Contract Management, and Litigation Case Management.

D. JUDICIARY

The students are also free to work for the judicial machinery of the Country as judges or magistrates. This requires them to pass a judicial examination conducted by the Public Service Commission. This is a very difficult examination to pass. A Master Degree in Law can make passing the examination easy. The lowest post of the Magistrate, Sub judge, or Munsif is filled up by the latest recruitments through Public Service Commission or by the concerned High Court of the state. The Magistrate/ decides the Criminal cases and the Sub- Judge, decides the Civil Cases. Through promotion, these judges could become District Judges and also attain higher posts in High Courts as a justice of the High Court. They would be able to gain promotion based on their experience and seniority. The initial requirement of these posts is an LL.B. degree from an approved/recognized University and should not have attained the age of 35 years. However, the Degree of LL.M. can act as a protentional instrument to get easy success.

E. JUDICIAL SUPPORTING STAFF

Working as a judicial supporting staff is an extremely valuable experience for the students interested in either litigation or transactional work; it provides invaluable insights into the workings of the legal system. The legal ministerial staff acts as legal assistants whose duties vary from court to court and judge to judge.

F. ACADEMICS / HIGHER STUDIES

The students with impressive academic ability and with the skill of explaining and narrating different topics to a group of people are good fits to become an assistant professor in any of the best-recognized Universities or Law Colleges in the country. If any student wants to study further law, he/she can choose research work, or LL.M. / Ph.D. in fields like International Law, Constitutional Law, Labour Law, Cyber law, and Family Law, etc.

This might also be an opportunity to choose a career path as the specialization means that they would spend their time in that area of law. The

LL.M. (2 Year) course will not just only help you to gain a deeper perspective, but it will help you get jobs that pay you better

G. LEGAL OUTSOURCING

Legal outsourcing refers to the practice of a law firm that acquires legal services from an exterior firm. This service is called off sharing if the outsourced entity has its origin in another country. This is one of the fields where the potential has not fully been utilized. There are several opportunities for the people of the country to grab opportunities in this field.

H. PRIVATE COMPANIES

There is a great scope for post graduates of law to join private firms across the country. They can choose to become the legal advisor and help the company with legal decisions. In case someone is looking for a well-paid job, he can get an MBA degree after doing LL.M. This way, he would be able to get a dual post in companies. Firstly, he could work as a legal advisor and secondly, he would be able to take part in business administration. The dual package will guarantee excellent pay for the employees.

I. WRITER OF LAW BOOKS /REPORTS /JOURNALIST

If any student is excelling at writing and can understand the law well, then this profession is the right one for him. If you are capable of writing and editing law books used by law students or if you can write legal reports for various publications or newspapers, this job would fit you well. You can also work with a journalist as a guide who guides them all the time. If you have a knack for writing, then you can pursue a career in legal journalism. Legal journalists attend court hearings and report the facts directly. They write articles for publications that could be online (blog, website, and social media) as well as offline (newspaper, magazine, etc.). Legal journalists might take part in discussions on legal issues as they have a strong understanding of the law and current affairs. Legal journalism covers legal proceedings in courts, arbitration events, criminal matters, etc., which are disseminated to the public.

This field requires strong communication skills and writing skills. However, it's also possible for a legal journalist to work in visual media (television, YouTube, etc.) instead of being limited to writing. It's certainly a unique career with a specific set of opportunities and challenges.

Legal Publishing: Lawyers get an opportunity to work as editors for various types of print and electronic media. It is a good option for those with a knack for writing.

Law Reporting: One can take up a career as a law reporter with TV channels and newspapers. Ranging from high-profile cases to concerns related to social issues and human rights, a new path for lawyers has opened up in this field.

J. LEGAL ANALYST

Law graduates could join law firms or corporate firms and conduct analyses regarding the law sphere about the company and its functions. This requires aspirants to own a license to practice law. Legal Analysts also can assist in drafting various legal documents and also assists attorneys. In the case of financial law, this is a great option. It also requires you to be well analytical and organizational along with a great athlete. Legal analysts are responsible for researching and reviewing legal issues while making recommendations on the same. They assist legal teams and lawyers in performing research, gathering evidence, preparing legal documents, and performing various tasks to help the lawyers perform their duties.

Legal analysts are also known as paralegals or litigation analysts and their work can vary a lot depending on the case they are working and who they are assisting. They are responsible for handling tracking systems and databases while collating, tracking, and reviewing important documents.

They work during the usual business hours but might have to work overtime while working on big cases. Moreover, they might have to travel for researching more on their cases. Legal analysts must have a basic understanding of the law, legal documentation, and research in law & management.

K. LEGAL RESEARCHER

A legal researcher is someone responsible for researching various cases and finding ways to win a case. It includes general topics regarding the laws. In other words, they are the ones that the lawyers hire to gain a deeper insight into the cases and legal nuances. Therefore, this is also an interesting profession for you if you are a law graduate.

L. POLITICS

If you are interested in taking part in the governance of the country or if you have a political background, you can enter politics if you are a law graduate. This is helpful in the way that you will have deep knowledge regarding all three domains of the government i.e. Legislature, Executive and Judiciary. This allows them to contribute actively to the nation and become a politician.

However, in India, joining politics does not mandate any educational qualification, but there are several of the top political leaders in the country who are law graduates.

Besides, Indian political history is the best proof of the fact that lawyers are the best politicians out there. Remember that the 250-members constitutional Assembly that formed the constitution comprised entirely of lawyers. Therefore, studying LL.M. is one of the best options if you have an interest in pursuing politics.

M. SOCIAL WORK

A sizeable number of law school graduates join Non-Governmental Organizations (NGOs) that work for social causes. If you are passionate about socio-legal issues, then this is the right avenue for you. One may work with NGOs and Civil Society Organizations on issues based on environmental protection, gender concerns, caste discrimination, employment, working conditions, marginalization of various sections of the society, etc.

Law school graduates are also offered opportunities to work with international organizations such as; the United Nations and with international

tribunals like the International Court of Justice and International Criminal Court, etc.

Thus, completing LL.M., (2 Year) programme is one of the first steps to a successful career as there are numerous opportunities as discussed above, for law graduates to pursue a successful legal career.

2. PROGRAMME OUTCOMES (POs)

The overall aim of the LL.M. (2 Year) Programme may be achieved by addressing its various components that are incorporated into the curriculum as described below. Each of these components is designed to lead to specific outcomes that are desired after the successful completion of the LL.B. (2 Year) programme.

PROGRAMME OUTCOMES	Component	Outcomes
PO-1	Basic Knowledge	Capable of delivering basic disciplinary knowledge gained during the programme.
PO-2	In-depth Knowledge	Capable of describing advanced knowledge gained during the programme.
PO-3	Critical thinking and Problem-Solving abilities	Capable of analyzing the results critically and applying acquired knowledge to solve the problems.
PO-4	Creativity and Innovation	Capable to identify, formulate, investigate and analyzing scientific problems and innovatively designing and creating products and solutions to real-life problems.
PO-5	Research Aptitude and Global Competency	Ability to develop a research aptitude and apply knowledge to find the solution to burning research problems in the concerned and associated fields at the global level.
PO-6	Holistic and Multidisciplinary Education	Ability to gain knowledge with the holistic and multidisciplinary approach across the fields.
PO-7	Skills Enhancement	Learn specific sets of disciplinary or multidisciplinary skills and advanced techniques and apply them for the betterment of mankind.

PO-8	Leadership and Teamwork Abilities	Ability to learn and work in a group and capable of leading a team even.
PO-9	Environmental and Human Health Awareness	Learn important aspects associated with environmental and human health. Ability to develop eco-friendly technologies.
PO-10	lifelong Learning Skills and Entrepreneurship	Ability to learn lifelong learning skills which are important to provide better opportunities and improve quality of life. Capable to establish independent startup/innovation center etc.

3. PROGRAMME SPECIFIC OUTCOMES (PSOs)

The LL.M. (2 Year) programme shall be able to realize the following specific outcomes by the end of programme studies:

Sr. No. of PSOs	Programme Specific Outcomes
PSO-1	To acquire a thorough knowledge of basic theoretical concepts and experimental aspects of the law.
PSO-2	To fully develop the skills for using the earned knowledge within different branches of the legal field.
PSO-3	To develop the attitude for identifying and solving problems by using various legal aspects mentioned in the curriculum of this programme.
PSO-4	To develop the capability to search, acquire and apply recent developments in the field of legal studies.
PSO-5	To develop an overview of the role of legal studies in sustaining society.
PSO-6	To develop the skill to adopt the learned principles in various settings and innovate with the importance of sustainability in mind, if necessary
PSO-7	To develop scientific temper, humanism and the spirit of Enquiry and legal reforms.

4. Postgraduate Attributes

Upon completion of the LL.M. (2 Year) programme, students are expected to be equipped with the skills of analytical, critical and rational thinking

associated with law and its use in human society. The following attributes are expected from the students of the LL.M. (2 Year) Programme:

PGA No.	P.G. Attributes
PGA-1	knowledge of Discipline and solid/firm foundation/basics in students
PGA-2	Creative, critical and reflective Thinking in the studies
PGA-3	Building of value-oriented attitudes and values
PGA-4	Imparting knowledge about principles and practical aspects of different legal instruments
PGA-5	Development of Research skills in the students
PGA-6	Evolution of the spirit to think beyond which were never thought before
PGA-7	Imparting knowledge about Information technology/digital literacy
PGA-8	Promotion to have the feeling of teamwork

5. STRUCTURE OF LL.M. (2 YEAR) COURSE

The LL.M. 2 Year Programme is of *two years* duration, which is divided into four semesters **(Table -1).** The programme under the Choice Based Credit System (CBCS) includes a balanced combination of *Core* and *Electives courses which also includes Generic Elective Courses for imparting basic knowledge of the laws of general importance among the students of another department.* **(Table 2).**

The Ordinance No. XV, of the Central University of Haryana, is dealing with LL.M. (2 Year) Course i.e., the P.G. ordinance of the University and latest Guidelines of the Bar Council of India regarding the compilation of syllabus of LL.M. (2 Year) Course. The total credit requirement for completion of the programme shall be 100 (±4), including a minimum of 18 credits from electives of which 08 Credits shall be from elective courses offered by other Departments. For each paper/course, four hours per week shall be assigned for

classroom teaching and one hour for professional skills development activities. As per the Legal Education Rules and guidelines issued by the Bar Council of India, the course leading to LL.M. (Two Year) Course shall be conducted in a semester system in not less than 15 weeks (6 days a week)/18 week (5 days a week) and each week shall have not less than 30 hours for teaching, moot court, tutorial and skill development activities, etc.

Table-1

Part	Year	Semester	Total Credit of Core/Compulsory Subjects	Total Credit of Elective & GEC Subjects
Part-I	First	I &II	20+20= **40**	4+4= 8
Part-II	Second	III& IV	20+20= **40**	40+40= 80
Total Credit			**80**	**88**

Table 2

Types of Courses	Nature	Total Credits	% (approx.)
Core Courses (CC)	Compulsory/Core Courses	80	47.62
Elective Courses (EC)	Elective Courses Including Generic Elective Courses for students of other departments	88	52.38
		168	**100**

6. LEARNING OUTCOME INDEX

6.1, Mapping of Core Courses* with PSOs

Semester	PSOs ⇨ Courses POs No. ⇩	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
I	CC1	√	√	√	√	√	√	√
	CC2	√	√	√	√	√	√	√
	CC3	√	√	√	√	√	√	√
	CC4	√	√	√	√	√	√	√
II	CC5	√	√	√	√	√	√	√
	CC6	√	√	√	√	√		√

	CC7	√	√	√	√	√	√	√
	CC8	√	√	√	√	√	√	√
III	CC9	√	√	√	√	√	√	√
	CC10	√	√	√	√	√	√	√
	CC11	√		√	√	√	√	√
	CC12	√	√	√	√	√	√	√
IV	CC13	√	√	√	√	√	√	√
	CC14	√	√	√	√	√	√	√

* Core Courses Details

Code	Course Code	Course title
CC1	SL LAW 02 01 101 C 4105	Legal Theory
CC2	SL LAW 02 01 102 C 4105	Public International Law and International Humanitarian Law
CC3	SL LAW 02 01 103 C 4105	Administrative Law
CC4	SL LAW 02 01 104 C 4105	Family law
CC5	SL LAW 02 02 201 C 4105	Law and Social Transformation
CC6	SL LAW 02 02 202 C 4105	Constitutional Law: Emerging Challenges
CC7	SL LAW 02 02 203 C 4105	Judicial Process Including Theories of Law and Justice
CC8	SL LAW 02 02 204 C 4105	Interpretation of Statutes
CC9	SL LAW 02 03 301 C 4105	General Principles of Criminal Law
CC10	SL LAW 02 03 302 C 4105	Law of torts and Consumer Protection
CC11	SL LAW 02 03 303 C 4105	Commercial Law
CC12	SL LAW 02 03 304 C 4105	Research Methodology, Research Design & Legal Education
CC13.	SL LAW 02 04 401C 003015	Dissertation
CC14	SL LAW 02 04 402 C 4105	International Environmental Law & Sustainable Development

6.2, Mapping of Elective Courses* with PSOs

Semester	PSOs ⇨ Courses POs No. ⇩	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
I	EC1	√	√	√	√	√	√	
	EC2	√	√	√	√	√	√	√
II	EC3	√	√	√	√	√	√	√
	EC4	√	√	√	√	√	√	√
III	EC5	√	√	√		√	√	√
	EC6	√	√	√	√	√	√	√
IV	EC7	√	√	√	√	√	√	√
	EC8	√	√	√	√	√	√	√

* Elective Courses Details

Code	Course Code	Course Title
GE1	SL LAW 02 01 105 GE 4004	Environmental Law

GE2	SL LAW 02 02 205 GE 4004	Indian Constitutional Law
EC3	SL LAW 02 03 305 E 4004	History and Principles of Criminal Law
EC4	SL LAW 02 03 306 E 4004	Law Relating to Cyber Crimes
EC5	SL LAW 02 03 307 E 4004	Corporate Law and Management
EC6	SL LAW 02 03 308 E 4004	Law of Contractual Transactions
EC7	SL LAW 02 03 309 E 4004	Mass Media and Constitutional Democracy
EC8	SL LAW 02 03 310 E 4004	Public Utilities and Welfare State
EC9	SL LAW 02 03 311 E 4004	Law of Marriage in India
EC10	SL LAW 02 03 312 E 4004	Law of Matrimonial Reliefs in India
EC11	SL LAW 02 03 313 E 4004	Concept and Development of Human Rights
EC12	SL LAW 02 03 314 E 4004	Human Rights and International Order
EC13.	SL LAW 02 04 403 E 4004	Criminology
EC14	SL LAW 02 04 404 E 4004	Penology
EC15	SL LAW 02 04 405 E 4004	Law of Banking and Negotiable Instruments
EC16	SL LAW 02 04 406 E 4004	Law of Industrial and Intellectual Properties
EC17	SL LAW 02 04 407 E 4004	Constituonalism: Power of Judicial Review
EC18	SL LAW 02 04 408 E 4004	Federalism: Union-State Relations
EC19	SL LAW 02 04 409 E 4004	Law of Maintenance
EC20	SL LAW 02 04 410 E 4004	Hindu Law of Joint Family and Inheritance
EC21	SL LAW 02 04 411 E 4004	International Humanitarian Law & Refugee Law
EC22	SL LAW 02 04 412 E 4004	Human Rights of Disadvantaged Groups: Problems and Issues in the Protection and Environment

7. TEACHING-LEARNING PROCESS

- Lectures
- Group Discussions
- Simulations
- Role-Playing
- Participative Learning
- Interactive Sessions
- Seminars
- Research-based Learning/Dissertation or Project Work
- Technology-embedded Learning
- Case Law
- Situation Reaction Test
- Moot Classes

- Problem Based Learning
- Practical Exposure through Court visits.

8. IMPLEMENTATION OF BLENDED LEARNING

Blended Learning is a pedagogical approach that combines face-to-face classroom methods with computer-mediated activities in the process of teaching and learning. It implies a proper blend of face-to-face and online activities to make the learning processes more interesting and engaging. It focuses on the integration of traditional classroom activities and innovative ICT-enabled strategies. It emphasizes a student-centric learning environment where the teacher is the facilitator for productive and measurable learning outcomes. It optimizes and compliments face-to-face learning, giving ample freedom and flexibility to the students and teachers to access and explore the wide range of open-access sources such as; video lectures, podcasts, recordings and articles through digital platforms. It gives freedom and autonomy to the teachers in the selection of appropriate digital platforms, resources and time-slots to complement and supplement face-to-face learning. Blended Learning doesn't undermine the role of the teacher, rather it allows him/her to explore the unexplored in accordance with the requirements of the curriculum.

KEY FEATURES OF BLENDED LEARNING

- Student-Centric Pedagogical Approach focusing on flexibility in timing, quality content, needs and interests of students and freedom to study through the mode of his/her choice;
- Freedom to Select a variety of mediums and techniques;
- Increased student engagement in learning;
- Enhanced teacher and student interaction;
- Improved student learning outcomes;
- More flexible teaching and learning environment;
- More responsive for self and continuous learning;
- Better opportunities for experiential learning;
- Increased learning skills;
- Greater access to information, improved satisfaction and learning outcomes.

Note: It has been resolved by the competent authority of the University that Blended Learning with 40% component of online teaching and 60% face-to-face classes for each programme, to be adopted.

9. ASSESSMENT AND EVALUATION

- Continuous Comprehensive Evaluation at the regular interval after the achievement of each course-level learning outcome
- Formative Assessment based on activities of a learner throughout the programme instead of the one-time assessment
- Oral Examinations to test presentation and communication skills
- Open Book Examination for better understanding and application of the knowledge acquired
- Group Examinations on Problem solving exercises
- Seminar Presentations
- Review of Literature
- Collaborative Assignments

10. KEYWORDS

- LOCF
- NEP, 2020
- Blended Learning
- Face to face (F to F) Learning
- Programme Outcomes
- Programme Specific Outcomes
- Course-level Learning Outcomes
- Postgraduate Attributes
- Learning Outcome Index
- Formative Assessment and Evaluation

- Comprehensive and Continuous Evaluation

11. REFERENCES

- National Education Policy-2020. https://www.education.gov.in/sites/upload_files/mhrd/files/NEP_Final_English_0.pdf
- The draft subject-specific LOCF templates are available on the UGC website. https://www.ugc.ac.in/ugc_notices.aspx?id=MjY5OQ
- Draft Blended Mode of Teaching and Learning: Concept Note available on the UGC website. https://www.ugc.ac.in/pdfnews/6100340_Concept-Note-Blended-Mode-of-Teaching-and-Learning.pdf

12. SEMESTER-WISE COURSES AND CREDIT DISTRIBUTION

SEMESTER – I

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	Legal Theory	SL LAW 02 01 101 C 4105	4	1	0	5
2	Public International Law and International Humanitarian Law	SL LAW 02 01 102 C 4105	4	1	0	5
3	Administrative Law	SL LAW 02 01 103 C 4105	4	1	0	5
4	Family law	SL LAW 02 01 104 C 4105	4	1	0	5
					Total Credits	**20**
Generic Elective						
1	Environmental Law	SL LAW 02 01 105 GE 4004	4	0	0	4
					Total Credits	**04**

SEMESTER - II

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	Law and Social Transformation	SL LAW 02 02 201 C 4105	4	1	0	5
2	Constitutional Law: Emerging Challenges	SL LAW 02 02 202 C 4105	4	1	0	5
3	Judicial Process Including Theories of Law and Justice	SL LAW 02 02 203 C 4105	4	1	0	5
4	Interpretation of Statutes	SL LAW 02 02 204 C 4105	4	1	0	5
					Total Credits	**20**
Generic Elective						
1	Indian Constitutional Law	SL LAW 02 02 205 GE 4004	4	0	0	4
					Total Credits	**04**

SEMESTER - III

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	General Principles of Criminal Law	SL LAW 02 03 301 C 4105	4	1	0	5
2	Law of torts and Consumer Protection	SL LAW 02 03 302 C 4105	4	1	0	5
3	Commercial Law	SL LAW 02 03 303 C 4105	4	1	0	5
4	Research Methodology, Research Design & Legal Education	SL LAW 02 03 304 C 4105	4	1	0	5
					Total Credits	**20**

Elective Course (s) (The student is required to opt any one group out of the following groups)						
1. Criminal Law						
1	History and Principles of Criminal Law	SL LAW 02 03 305 E 4004	4	0	0	4
2	Law Relating to Cyber Crimes	SL LAW 02 03 306 E 4004	4	0	0	4
2. Business Law						
1	Corporate Law and Management	SL LAW 02 03 307 E 4004	4	0	0	4
2	Law of Contractual Transactions	SL LAW 02 03 308 E 4004	4	0	0	4
3. Constitution and Legal Order						
1	Mass Media and Constitutional Democracy	SL LAW 02 03 309 E 4004	4	0	0	4
2	Public Utilities and Welfare State	SL LAW 02 03 310 E 4004	4	0	0	4
4. Family Law						
1	Law of Marriage in India	SL LAW 02 03 311 E 4004	4	0	0	4
2	Law of Matrimonial Reliefs in India	SL LAW 02 03 312 E 4004	4	0	0	4
5. Human Rights Law						
1	Concept and Development of Human Rights	SL LAW 02 03 313 E 4004	4	0	0	4
2	Human Rights and International Order	SL LAW 02 03 314 E 4004	4	0	0	4
					Total Credits	**08**

SEMESTER – IV

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	Dissertation	SL LAW 02 04 401C 003015	0	0	30	15
2	International Environmental Law & Sustainable Development	SL LAW 02 04 402 C 4105	4	1	0	5
					Total Credits	**20**
Elective Course (s) (The Student is required to opt the same One (01) group, out of the above Five (05) groups, which he/she has opted in 3rd Semester.)						
1. Criminal Law						
1	Criminology	SL LAW 02 04 403 E 4004	4	0	0	4
2	Penology	SL LAW 02 04 404 E 4004	4	0	0	4
2. Business Law						
1	Law of Banking and Negotiable Instruments	SL LAW 02 04 405 E 4004	4	0	0	4
2	Law of Industrial and Intellectual Properties	SL LAW 02 04 406 E 4004	4	0	0	4
3. Constitution and Legal Order						

1	Constituonalism: Power of Judicial Review	SL LAW 02 04 407 E 4004	4	0	0	4
2	Federalism: Union-State Relations	SL LAW 02 04 408 E 4004	4	0	0	4
4. Family Law						
1	Law of Maintenance	SL LAW 02 04 409 E 4004	4	0	0	4
2	Hindu Law of Joint Family and Inheritance	SL LAW 02 04 410 E 4004	4	0	0	4
5. Human Rights Law						
1	International Humanitarian Law & Refugee Law	SL LAW 02 04 411 E 4004	4	0	0	4
2	Human Rights of Disadvantaged Groups: Problems and Issues in the Protection and Environment	SL LAW 02 04 412 E 4004	4	0	0	4
					Total Credits	**08**

Note:

1. **The Decision regarding the opening of a particular group, will be taken by the Head, Department of Law in concurrence with Dean, School of Law keeping in view the available resources and infrastructural facilities Provided; there should be at least five (05) students to opt the particular group.**
2. **The approval of topic for the Dissertation and allotment of Supervisor, shall be made by Head, Department of Law in concurrence with Dean, School of Law in the beginning of the III (3rd) Semester. The students are required to submit their dissertation on or before the last day of the conduct of classes for the fourth Semester.**

13. COURSE WISE LEARNING OUTCOMES

SEMESTER-I

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	Legal Theory	SL LAW 02 01 101 C 4105	4	1	0	5
2	Public International Law and International Humanitarian Law	SL LAW 02 01 102 C 4105	4	1	0	5
3	Administrative Law	SL LAW 02 01 103 C 4105	4	1	0	5
4	Family law	SL LAW 02 01 104 C 4105	4	1	0	5
					Total Credits	**20**
Generic Elective						
1	Environmental Law	SL LAW 02 01 105 GE 4004	4	0	0	4
					Total Credits	**04**

Course Name: Legal Theory				Course Code: SL LAW 02 01 101 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: I**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The main objective of this course is to acquaint the students of law with the evolution of law bygoing through various thoughts as developed in various schools of jurisprudence. This course is expected to provide the knowledge of the law, jurisprudence and legal theory with a comparative jurisprudential approach.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get acquainted with the basic ideas and fundamental principles of Law in the given society. **2.** Get knowledge of Law and legal precepts which will helps the students to face exigencies of life boldly and courageously. **3.** Get inculcated with standards of ideal for human conduct in terms of the law for the maintenance of public conscience. **4.** Identify such pressing demands or problems which require solutions within the parameters of the law, justice and other social norms.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit.Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Meaning, nature and scope of Jurisprudence, The relevance of Jurisprudence, Concept of Legal Theory and Jurisprudence,Concept and Philosophy of Law, Nature and Sources of Law– Customs, Precedents and Legislation	20
II	Analytical School Positivism, Bentham and Positivism, Austin's Command and Sovereignty Theory, Principles of Utility, Constitutional Utilitarianism and Modern trends of Modern Positivism, Kelsen's Pure Theory of Law, Hart's Legal System, Modern Trends in Analytical Jurisprudence: Hart's Concept of Law, Sociological Jurisprudence and Sociology of Law: Comte and Sociology, *Laissez Faire* and Herbert Spencer, Sociological School - Jhering's Theory, Eugen Ehrlich's Theory, Roscoe Pound's Theory of Social Engineering, Duguit's Social Solidarity	20
III	Historical and Anthropological School, Karl Von Savigny's theory of Law, The '*Volksgeist'*, Henry Maine's Historical Materialism, Natural Law, Natural Law and Social Contract, Revival of Natural Law, Law and Morality, Difference of jurisprudential	20

	study amongst various Schools of Law, Distributive Justice, Feminist Jurisprudence, Post-modernist Jurisprudence	
IV	Law and Morality, Concept of Rights and Duties, Legal Personality, Ownership and Possession, Concept of Liability, Law, Poverty and Development, Global Justice, Modernism and postmodernism	15

SUGGESTED READINGS

1. M. P. Tandon, *Jurisprudence— Legal Theory* (Allahabad Law Agency, Faridabad,2016)
2. Dias, *Jurisprudence* (Lexis Nexis, 5th Edition, 2013)
3. Bodenheimer, *Jurisprudence - The Philosophy and Method of Law* (HarvardUniversity Press; 2nd edition (revised), 2013)
4. Suri Ratnapala, *Jurisprudence*, (Cambridge University Press, 2013)
5. W. Friedmann, *Legal Theory* (Universal Law Pub., New Delhi, 6th edition, 2013)
6. V.D. Mahajan, *Jurisprudence and Legal Theory* (Eastern Book Co., Lucknow, 2011)
7. S.N. Dhyani, *Jurisprudence—Indian Legal Theory* (Central Law Agency, Allahabad, 2010)
8. Marie-Claire Foblets, Alison Dundes Renteln, *Multicultural Jurisprudence: Comparative Perspectives on the Cultural Defense* (Mohan Law House, New Delhi, 2010)
9. P. J. Fitzgerald (ed.), *Salmond on Jurisprudence* (Universal Law Pub., New Delhi,Indian Reprint, 2010)
10. Richard A. Posner, *The Problems of Jurisprudence* (Universal Law Pub., New Delhi, 2010)
11. Hans Kelsen, *Pure Theory of Law Translated by Max* (The Law Book Exchange Lmt. New Jersey, 5th Printing, 2008)
12. M.D.A Freeman (ed.), *Lloyd's Introduction to Jurisprudence* (Sweet & Maxwell, 2008)
13. Roscoe Pond, *Introduction to Philosophy of Law* (Universal Law Pub, Delhi, 1998)
14. Wayne Morrison, *Jurisprudence: From the Greeks to post-modernism* (Lawman India Private Limited, New Delhi, 1997)
15. John Austin, *The Province of Jurisprudence Determined,* W. Rumble (ed.),(Cambridge: Cambridge University Press, 1995)
16. Roger Cotterrell, *The Politics of Jurisprudence: A Critical Introduction to LegalPhilosophy* (2nd Edition, Butterworth, 1994)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Public International Law and IHL				Course Code: SL LAW 02 01 102 C 4105			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.M. (2 Year) Course**	**I**	**4**	**1**	**0**	**5**	**Total Hrs.:75**
Total Evaluation Marks: 100 **CIE:30** Marks **TEE:70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	This course on the principles of public international law is offered to the students to understand the fundamental principles that govern the regime of international law, which are dealt with extensively and exclusively in this course with the help of statutory texts, significant case laws and articles written by scholars. The course would help the students to understand both the theoretical framework and the working of international law. Understanding these basic principles is a prerequisite for those students who seek to explore their career or academic interest in specific fields of international law. The course is also designed to inform the students about the evolution of the jurisprudence of human rights and the way they are read into our Constitution. That apart, it explores the different vistas of Human Rights with reference to crime, health, etc. The students have imparted knowledge about the essential aspects of all the said issues.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Critically analyze various theories of International Law and sources of International Law. **2.** Critically analyze and interpret various Articles in the Vienna Convention on Law of Treaties. **3.** Find out various complex issues in the International sphere and apply International Law principles to study such problems. Analyze various pacific dispute settlement mechanisms. **4.** Critically analyze the role of the International Court of Justice in settling the disputes between nations amicably. **5.** Connect the core concepts involved with the evolution and development of human rights worldwide, the nature of Human Rights and Group Rights. **6.** Understand the constitutional aspects along with the statutory framework of National and State Human Rights Commissions. **7.** Understand the societal expectations in terms of human rights. **8.** Comprehend the nuances of criminal infractions and the resultant rights abuse.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Public International Law- Definition, Nature and Basis, Sources of Public International law, Subjects of International Law- The Sovereign State as a subject of International Law,	20

	International Institutions as subjects of International Law, Individual as a subject of International Law and other subjects of International Law, State Recognition- Definition & Theories, Modes and Legal effects of Recognition and consequences of non-recognition, Withdrawal of Recognition, Retrospective Effect of Recognition, The League of Nations and Recognition, United Nations and Recognition, Recognition of Head of State or New Government: Estrada Doctrine, Stimson Doctrine, India's Practice of Recognition of states and governments.	
II	State Territory, Modes of Acquiring Territorial Sovereignty, Modes of loss of Territory, Intervention, Definition, Kinds and Grounds of Intervention, Treaties- Definition and Classification of Treaties, Reservation to Treaties, Interpretation of Treaties, Invalid Treaties, Termination of Treaties, *Pacta Sunt Servanda* and *Rebus sic stantibus.*	20
III	Extradition, Definition, Purpose of Extradition, Is Extradition a duty of a State, Law of Extradition, Extradition Law in India, Asylum- Definition, Forms of Asylum, Law on Asylum, Basis of Asylum, Reasons for Asylum, Is Asylum a Right of a person, Settlement of International Disputes, Amicable methods of settling International Disputes, Forcible methods of settling International Disputes. War and its Legal Effects	20
IV	United Nations and Its organs, World Trade Organization (WTO), International Humanitarian Law (IHL)- Conventions and Protocols, Implementation of IHL- Challenges	15

SUGGESTED READINGS

1. Rhona K. M. Smith: *Textbook on International Human Rights*, Oxford University Press, Oxford, 2019
2. H. O. Agarwal: *A Concise book on International Law and Human Rights*, Central Law Publications, Allahabad, 2017
3. S. K. Kapoor: *Human Rights under International Law & Indian Law*, Central Law Agency, Allahabad, 2017
4. Richard Stone: *Textbook on Civil Liberties & Human Rights*, Oxford University Press, Oxford, 2017
5. Rakesh Kumar Singh: Textbook on Public International Law, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2016
6. S. R. A. Rosedar: *Public International Law*, Lexis Nexis, India, Gurugram, 2016
7. V. K. Ahuja: *Public International Law*, LexisNexis India, Gurugram, 2016
8. Jyoti Rattan & Dr. Vijay Rattan: *Public International Law*, United Nations & Human Rights, Bharat Law House, Jaipur, 2016
9. V. S. Mani, S Bhat: *Recent Developments in International Space Law and Policy*, Lancer Books, New Delhi, 2015
10. Ian Brownlie & James Crawford: *Brownlie's Principles of Public International Law*, Oxford University Press, Oxford, 2013
11. Rashee Jain: *Textbook on Human Rights Law and Practice*, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2013
12. S. K. Verma: *An Introduction to Public International Law*, Satyam Law International, New Delhi, 2012
13. Upendra Baxi: *The Future of Human Rights*, Oxford University Press, Oxford, 2012
14. S. R. Myneni: *Human Rights*, Asia Law House, Hyderabad, 2012
15. N. K. Jaya Kumar: *International Law and Human Rights*, LexisNexis India, Gurugram, 2011
16. Ian Brownlie Guy S. Goodwin-Gill: *Brownlie's Documents on Human Rights*, Oxford University Press, Oxford, 2010

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Administrative Law				Course Code: SL LAW 02 01 103 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: I**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.:75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE:70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The modern State is a welfare state. The expansion in the functions of the state and enormous powers of the administration has given the tremendous capacity to the administration to affect the rights and liberties of the individual. The present course aims to bring home the idea that good governance is based on the principles of rule of law, separation of powers, transparency, accountability and fairness. The fundamentals of Administrative Law, its development and its relationship with Constitutional Law are elucidated. Furthermore, the importance of administrative rule making, administrative adjudication and judicial review are analyzed as important pillars of administrative law.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Develop an understanding of Administrative law as a separate legal discipline. **2.** Analyzing the growth of Administrative law in different jurisdictions for a comparative outlook. **3.** Comprehend the importance of administrative rule making and administrative adjudication. **4.** Appreciate the significance of principles of transparency, natural justice, accountability and fairness in a good governance administration. **5.** Understand the relevance of administrative discretion in modern governance and its controls.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Nature, Scope, Necessity and Importance of Administrative Law, Administrative Law and the Indian Constitution, Classification of Administrative Functions, Judicial Control on Administrative Actions through Writs, Govt. Liability- Tortious, Contractual and Compensation (with special reference to an employment contract, Breach of Statutory duty), Privileges of State and Promissory estoppel, Rule of Natural Justice	20
II	Delegated Legislation, necessity and growth, the constitutionality of delegated legislation, Judicial Review of Delegated Legislation, Grounds of Judicial Review of administrative actions, Parliamentary Control, Lokpal, Commission of Enquiry and Vigilance Commission**,** Public Corporation, Necessity, Organization, Control, Public Corporation, Official Secrets and Right to Information	20

III	Administrative Adjudication- Growth, Necessity and Scope, Characteristics and Organization of Administrative Tribunal, Constitutional Position, Power, Procedure of Administrative Tribunal, Judicial Control of Administrative Tribunals (Special Reference to Articles 136 and 227), Extensional Remedies- Public Interest Litigation, Exclusion of Judicial Review, Finality Clause and Reasoned Decisions	20
IV	Study of Some Administrative Tribunals- Service Tribunals, Income Tax Appellate Tribunal, Principles of Natural Justice -Doctrine of Bias and Fair Hearing, Exceptions, Problems of Invalidity, Post Decisional Hearing, Writs, Injunctions and Declarations	15

SUGGESTED READINGS

1. Durga Das Basu & S P Sen Gupta: *Administrative Law* (Kamal Law House, Kolkata, 2019)
2. J. J. R. Upadhaya: *Administrative Law* (Central Law Agency, Allahabad, 2019)
3. U. P. D. Kesari: *Administrative Law* (Central Law Publication¸ Allahabad, 2018)
4. I. P. Massey: *Administrative Law* (Eastern Book Company, Lucknow, 2018)
5. K. C. Joshi: *Administrative Law* (Central Law Publication, Allahabad, 2018)
6. Kailash Rai: *Administrative Law* (Central Law Publication, Allahabad, 2018)
7. Paras Diwan: *Administrative Law* (Allahabad Law Agency, Delhi, 2018)
8. M. P. Jain and S. N. Jain: *Principles of Administrative Law* (Lexis Nexis Buttersworth Wadhwa, Nagpur, 2017)
9. V. N. Shukla: *Constitution of India* (Eastern Book Company, Lucknow, 2017)
10. A. B. Kafaltiya: *Textbook on Administrative Law* (Universal Law Publishing, New Delhi, 2016)
11. Yashomati Ghosh: *Textbook on Administrative Law* (LexisNexis, Gurugram, 2015)
12. M. C. Jain Kagzi: *The Indian Administrative Law* (Universal Law Publishing Company Pvt. Ltd. New Delhi, 2014)
13. H. W. R. Wade & C. F. Forsyth: *Administrative Law* (Oxford University Press, UK, 2014)
14. Abhishek Baplawat: *Administrative Law* (Wisdom Press, New Delhi, 2014)
15. K. Thakker: *Administrative Law* (Eastern Book Company, Lucknow, 2012)
16. Peter Cane: *Administrative Law* (Oxford University Press, UK, 2011)
17. C. K. Takwani: *Lectures on Administrative Law* (Eastern Book Company, Lucknow, 2010)
18. Elizabeth Giussani: *Constitutional and Administrative Law* (Sweet & Maxwell, London, 2008)
19. A. Kumari Krishna: *Judicial Activism: Need for Reforms* (ICFAI University Press, 2008)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Family law				Course Code: SL LAW 02 01 104 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: I**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	To evaluate the strength of the family system in India and the extent of legal support provided to the same and also to examine the necessity of the Uniform Civil Code in India. To apprise the students of the laws relating to Marriage, Succession and Adoption applicable to different communities in India. The next objective is to give an overview of some of the current problems arising out of the foundational inequalities writ large in the various family concepts.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Know the utility of subject in various other competitive examinations. **2.** Know the usefulness of the subject the purpose of judicial services Examinations. **3.** Know the usefulness of the subject in Mediation and conciliation of family disputes. **4.** Know that the subject is useful for practicing lawyers.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Sources of Muslim Law and Hindu Law, Schools of Family law and Problem of Conflict of Personal Laws, Concept of Uniform Civil Code	20
II	Marriage: ➢ The Hindu Marriage Act, 1955 ➢ The Indian Christian Marriage Act, 1872 ➢ The Parisi Marriage and Divorce Act, 1936 ➢ The Special Marriage Act, 1954 ➢ Concept of Nikah under Muslim Law ➢ NRI Marriages Dissolution of Marriage- Divorce/Talaq	20
III	Adoption (including International Perspective), AcknowledgementProvisions Relating to Maintenance under Various Laws, Concept of *Iddat* under Muslim Law	20
IV	Succession under Muslim Law and Hindu Law, Testamentary and Intestate, Women's share	15

SUGGESTED READINGS

1. Paras Diwan, *Law of Intestate and Testamentary Succession* (Universal law pub.,New Delhi, 2014)
2. Satyajeet A. Desai, *Sir Dinshaw Fardunji Mulla's Hindu Law* (Lexis Nexis-Butterworths Wadhwa, Nagpur, 21st Edition, Revised, 2013)
3. Tahir Mahmood & Saif Mahmood, *Introduction to Muslim Law* (Lexis Nexis, India,13 Edn., 2013)
4. S. T. Desai (ed.) *Mulla's Principles of Hindu Law*, (Lexis Nexis-Butterworth-India,2012)
5. Poonam Pradhan Saxena, Family *Law Lectures: Family Law-I and II*, (Lexis Nexis,3rd edition, 2011).
6. M. Hidayatulla and Arshad Hidayatulla, *Mulla's Principles of Mahomedan Law* (Lexis Nexis-Butterworths, Wadhwa, Nagpur, Nineteenth edition, 2010)
7. Paras Diwan, *Law of Adoption, Minority, Guardianship and Custody* (Universal Lawpub., 2010)
8. A. A. A. Fyzee, *Outlines of Muhammadan Law* (Oxford University Press, India, 5thedition, 2009)
9. N. D. Basu, Law *of Succession* (Universal Law pub., revised, 2009)
10. A. M. Bhattacharjee, *Muslim Law and the Constitution* (Eastern Law House, Calcutta,1994)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Environmental Law				SL LAW 02 01 105 GE 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: I**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	It is an introduction to the concepts and principles which underpins environmental law from the national to the international law. The course will address provisions of Constitutional law relating to the environment, Sustainable development as a legal concept and other related environmental protection principles, the remedies in statutory law and the protection of wildlife and forests.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Identify key environmental issues at the planetary, international, national, state and local levels. **2.** Develop an understanding of the regulatory and judicial frameworks implementing and enforcing these laws. **3.** Understand that environmental law cuts across and within legal systems, fields of law, vested interests and disciplinary boundaries. **4.** Develop an understanding of the overall environmental legal regime of the country as well as its international obligations.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Meaning and Definition of environment, environmental pollution, Factors Responsible for Environmental Pollution, Provisions of following General laws for Protecting the Environment in general: 1. Constitution of India 2. Indian Penal Code, 1860 3. Criminal Procedure Code, 1973 4. The Factories Act, 1948 Noise: Definition, Sources and its Harmful effect, Remedies for Noise Pollution, The Environmental (Protection) Act, 1986 (With Latest Amendments)	15
II	The Water (Prevention & Control of Pollution) Act, 1974 (With Latest Amendments) The Air (Prevention & Control of Pollution) Act, 1981 (With Latest Amendments)	15
III	Role of Public Interest Litigation in Protection of Environment, Role of Judiciary in the protection of Environment, The National Green Tribunal Act, 2010 (With Latest Amendments)	15

IV	The Doctrine of Strict liability, Sustainable Development, Polluter pays principle, Public Interest Doctrine, The Doctrine of Absolute Liability, The Public Liability Insurance Act, 1991 (With Latest Amendments)	15

SUGGESTED READINGS

1. M. R. Grag, V.K. Bansal & N. S. Tiwana*: Environmental Pollution and* Protection (Deep & Deep Publishers, New Delhi, 2016)
2. Partha Pratim Mitra: *Wild Animal Protection Laws in India* (LexisNexis India, Gurugram, 2016)
3. N. V. Paranjape: *Environmental Laws and Management in India* (Thomson Reuters, Delhi, 2015)
4. Surendra Malik & Sudeep Malik: *Supreme Court on Environmental Law* (Eastern Book Company, Lucknow, 2015)
5. P. Leelakrishnan: *Environmental Law Case Book* (LexisNexis India, Gurugram, 2010)
6. P. Leelakrishnan: *Environmental Law in India* (LexisNexis India, Gurugram, 2010)
7. Md. Zafar Mahfooz Nomani: *Environment Impact Assessment Laws* (Satyam Law International, New Delhi, 2010)
8. Indrajit Dube: *Environmental Jurisprudence-Polluter's Liability* (LexisNexis India, Gurugram, 2007)
9. Patricia W. Birnie & Alan E. Boyle: *International Law and the Environment* (Eastern Book Company, Lucknow, 2004)
10. Md. Zafar Mahfooz Nomani: *Legal Control of Radiation Pollution* (Regency Publications, New Delhi, 2004)
11. Md. Zafar Mahfooz Nomani: *Natural Resources Law and Policy* (Uppal Publishing House, New Delhi, 2004)
12. Md. Zafar Mahfooz Nomani: *Right to Health*: *A Socio-Legal Perspective* (Uppal Publishing House, New Delhi, 2004)
13. Armin Roseneranz: *Environment Law and Policy in India* (South Asia Books, New Delhi 2002)
14. K. Thakur: *Environmental Protection, Law and Policy in India* (Eastern Book Company, Lucknow, 2002)

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-II

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	Law and Social Transformation	SL LAW 02 02 201 C 4105	4	1	0	5
2	Constitutional Law: Emerging Challenges	SL LAW 02 02 202 C 4105	4	1	0	5
3	Judicial Process Including Theories of Law and Justice	SL LAW 02 02 203 C 4105	4	1	0	5
4	Interpretation of Statutes	SL LAW 02 02 204 C 4105	4	1	0	5
					Total Credits	**20**
Generic Elective						
1	Indian Constitutional Law	SL LAW 02 02 205 GE 4004	4	0	0	4
					Total Credits	**04**

Course Name: Law and Social Transformation				SL LAW 02 02 201 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: II**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	This course is designed to study the awareness of Indian approaches to social and economic problems in the context of the law as a means of social control and change and toexamine how law and legal institutions can be used to combat social oppression and inequalities in Indian Society.						
Course Outcomes	After the completion of this Course, the student would be able to: **1.** To Gain an understanding about barriers of society and impact of law to mitigate the issues of society. **2.** Explore and explicit the significance of law and Legal institution as a means of development in the framework of law.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Law and Social Transformation: ➢ Law as an instrument of social change ➢ Law as the product of traditions and culture, Criticism and evaluation	20
II	Law and its Inter-relationships with Religion, Language, Community and Regionalism Religion, Language, Community and Regionalism as Divisive Factors, Responses of law to- ➢ Religion - Secularism as a solution to the problem. ➢ Language - through constitutional guarantees ➢ Community - through non-discrimination ➢ Regionalism - through unity ➢ Non-discrimination and protective discrimination (reservation)	20
III	Gender Justice, Women and the Law- ➢ Crimes against woman ➢ Empowerment of women: Constitutional and other legal provisions ➢ Surrogacy Third gender and law Children and the Law: ➢ Child labour ➢ Child abuse ➢ Children and education	20

IV	Reform of court processes: Criminal law, Plea bargaining; compounding and payment of compensation to victims, Prison reforms, Alternative approaches to law, The jurisprudence of Sarvodaya- Gandhi, Vinoba Bhave, Concept of *Gramanyayalayas*	15

SUGGESTED READINGS

1. Oliver Mendelsohn, *Law and Social Transformation in India (*Oxford University Press, 2015)
2. Krishna Pal Malik and Dr. Kaushik C Raval, *Law and Social Transformation in India (*Allahabad Law agency, 2014)
3. Durga Dass Basu, *Commentary on The Constitution of India* (Lexis Nexis, Wadhw, Nagpur, 2011)
4. P. Ishwara Bhat, *Law and social transformation in India* (Eastern Book Co., 1st ed.,2009)
5. Flavia Agnes, *Law and Gender Inequality: The Politics of Women's Rights in India* (Oxford Uni. Press, 2001)
6. Sunil Deshta and Kiran Deshta, *Law and Menace of Child Labour* (Armol Publications, Delhi, 2000)
7. Duncan Derret, *The State, Religion and Law in India* (Oxford University Press, New Delhi, 1999)
8. Robert Lingat, *The Classical Law of India* (Oxford University Press, 1998)
9. Marc Galanter (ed.), *Law and Society in Modern India* (Oxford Uni. Press, 1997)
10. Upendra Baxi (ed.), Law and Poverty Critical Essays (N M Tripathi, Bombay, 1988)
11. Indian Law Institute, *Law and Social Change: Indo-American Reflections* (Tripathi,Bombay, 1988)
12. Upendra Baxi, *The Crisis of the Indian Legal System* (Vikas Publishing House, NewDelhi, 1982)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Constitutional Law: Emerging Challenges				Course Code: SL LAW 02 02 202 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: II**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE:70** Marks		**Examination Duration:**3 Hrs.					
Course Objectives	The course aim to understand the Indian political, social and economic value structure as enshrined in the Constitution of India for the protection of human rights of individuals and balancing with thepositive responsibility of the State. Further, the course aims to understand the constitutional governance and new emerging trends and challenges of the contemporary world.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Equipped with Research and legal acumen of constitutional Jurisprudence. **2.** Develop an analytical approach to different judgments of the Hon'ble Supreme Court and High Courts regarding the scope of Constitutional provisions. **3.** Know the foundation of Socio, Political and Economic analysis of different policies and legislations will be developed. **4.** Get a synthesis of the Rights and Duties of a Citizen.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Nature and special features of the Constitution, Preamble Parliamentary/ Presidential forms of Government, Suitability, Judicial Review in New Democracies- *A revisionist Analysis of Marbury v. Madison",* Democracy and the Rule of law	20
II	President of India, Council of Ministers, Governor and State Government - Constitutional Relationship, Prime Minister -Cabinet system -Collective responsibility, Individual responsibility Secularism- ➢ Concept of Secularism: Historical Perspective ➢ Indian Constitutional Provision ➢ Freedom of Religion - scope ➢ Religion and the State- the limits ➢ Minority Rights	20
III	Equality and Social Justice- ➢ Equality before the law and equal protection of laws ➢ Classification for differential treatment: constitutional validity ➢ Gender justice	20

	➢ Justice to the weaker sections of society: scheduled castes, scheduled tribes and other backward classes Right to Freedoms- ➢ Media, press and information ➢ Freedom of speech and contempt of court ➢ Freedom of assembly ➢ Freedom of association ➢ Freedom of movement ➢ Freedom to reside and settle. ➢ Freedom of profession/business ➢ Property: from fundamental right to constitutional right Rights of an accused – ➢ Against ex-post facto, ➢ Against double jeopardy ➢ Against self-incrimination Safeguards against Arbitrary Arrest and Detention, Preventive Detention Acts (N.S.A., COFEPOSA, etc.	
IV	Protection of Life and Personal Liberty ➢ Right to life and personal liberty: meaning, scope and limitations ➢ Preventive detention - constitutional policy ➢ New Dimensions Fundamental Rights and Directive Principles ➢ Directive Principles - directions for social change - A new social order. ➢ Fundamental Rights and Directive Principles - inter-relationship - judicial balancing. ➢ Constitutional amendments - to strengthen Directive Principles. ➢ Reading Directive Principles into Fundamental Rights Fundamental duties	15

SUGGESTED READINGS

1. Mahendra Pal Singh (Revised), *V. N. Shukla's Constitution of India* (Eastern Book Company, 12th Edition, 2016)
2. H. M. Seervai, *Constitutional Law of India*, Vol.1-3 (Universal Law Pub., 2015)
3. Granville Austin, *Working a Democratic Constitution: A History of the Indian Experience* (Oxford University Press, 2013)
4. Granville Austin, *The Indian Constitution: Cornerstone of a Nation* (Oxford University Press, 2013)
5. Mahendra Pal Singh, *Comparative Constitutional Law* (Eastern Book Company,2011)
6. P. Jain, *Outlines of Indian Legal and Constitutional History* (Lexis Nexis, Nagpur, 2011)
7. Durga Das Basu, Commentary *on the Constitution of India* (Lexis-Nexis-Butterworth-Wadhwa, Nagpur, 2011).
8. Neal Devins and Louis Fisher, *The Democratic Constitution* (Oxford Uni. Press,2010)
9. Mark Tushnet, *Why the Constitution Matters* (Yale University Press, 2010)
10. Sudhir Krishna Swamy, *Democracy and constitutionalism in India – A study of the Basic Structure Doctrine* (Oxford University Press, 2009)
11. J. De. *The Constitution of India* (Asia Law House, Hyderabad, 2008)
12. Sylvia Snowiss, *Judicial Review and the Law of the Constitution,* (Universal Law Pub., 2008)
13. Durga Das Basu, *Comparative Constitutional Law* (Lexis Nexis Publication, New Delhi, 2nd ed., 2008)
14. Durga Das Basu, *Comparative Federalism* (Lexis Nexis, 2007)
15. Dr. Subhash C Kashyap, *Framing of Indian Constitution* (Universal Law Pub., 2004)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Judicial Process Including Theory of Law and Justice				Course Code: SL LAW 02 02 203 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: II**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The objective of this course is to study the nature of the judicial process and the role of the judges as policy makers and as participants in evolving political principles of governance. Another objective of this paper is to study the intricacies of judicial creativityand judicial law making and techniques employed in the judicial process.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get an advance understanding of judicial process in India and how judicial process is formulated. **2.** Understand the concept of justice in India along with relations between law and justice, nature of judicial process with special focus in Indian Judicial System.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Nature of Judicial process and its role in constitutional adjudication** ➢ A judicial process is an instrument of social ordering. ➢ Judicial process and creativity in law – common law model – legal reasoning and thegrowth of law – change and stability ➢ The tools and techniques of judicial review and judicial creativity. ➢ Analysis of the doctrine of *Stare Decisis* in India.	20
II	**Special Dimensions of Judicial Process in Constitutional adjudication.** ➢ Notions of Judicial Review ➢ Is Judicial Review the same as Judicial Activism? ➢ Judicial Activism and Judicial Self Restraint. ➢ The problem of Accountability in judicial law-making.	20
III	**Judicial Process in India** ➢ The Indian Debate on the role of the Judges and the notion of Judicial review ➢ The 'Independence' of Judiciary and 'Political' Nature of Judicial Process. ➢ Judicial Activism and Creativity of the Indian Supreme Court - the new dimensions ➢ Institutional liability of Courts and Judicial activism – Scope and Limits.	20
IV	**Judicial Process and Constitutional Amendments** ➢ Evolution of the Concept of Basic Structure	15

	➢ Philosophy of the doctrine of Basic Structure ➢ The Recent Developments: The 'essence of rights test' and 'rights test' to determine the Basic structure ➢ Basic Structure and Constitutionalism.	

SUGGESTED READINGS

1. Sudhanshu Ranjan, *Justice, Judocracy and Democracy in India: Boundaries and Breaches* (Routledge, 2015)
2. Justice Ashok Kumar Ganguly, *Landmark Judgments That Changed India,* (RupaPublications, India 2015)
3. Benjamin N. Cordozo, *Nature of the Judicial Process* (Mrtino Fine Books, 2011)
4. Julius Stone. *Legal System and Lawyer's Reasoning*, 4th Indian Reprint (UniversalLaw Publishing Co. Ltd., New Delhi, 2011)
5. A. Lakshminath, *Judicial Process*: *Precedent in Indian Law,* 3rd Edition (Eastern BookCompany, 2009)
6. Aharon Barak, *The Judge in a Democracy* (Princeton University Press, 2009)
7. Julius Stone, *The Province and Function of Law: A Study in Jurisprudence*,(Universal Law Publishing Co Ltd., New Delhi 2006)
8. S.P. Sathe, *Judicial Activism in India: Transgressing Borders and EnforcingLimits*, (Oxford University Publication, New Delhi 2003)
9. Upendra Baxi, *The Indian Supreme Court and Politics*, (Eastern Book Co.,Lucknow 1980)
10. Rajeev Dhavan, *The Supreme Court of India – A Socio-Legal Critique of its JuristicTechniques* (Tripathi – Bombay 1977)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Interpretation of Statutes							Course Code: SL LAW 02 02 204 C 4105
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: II**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week:5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The object of studying 'interpretation of statutes' is to acquaint the students with how to determine the intention of the legislature conveyed expressly or impliedly in the language used. This course prescribes various methods to unlock the locks put by the Legislature. For such unlocking, keys are to be found out. These keys may be termed as aids for interpretation and principles of interpretation.						
Course Outcomes	After the completion of this course, the student would be able to: 1. Understand the parts of a statute and the meaning of the term interpretation of statutes. 2. Acquaint the students with the fundamental rules of interpretation of statutes. 3. Get acquainted with the role of different parts of a statute in interpreting the same. 4. Acquaint with the materials which can be used to interpret a statute and their respective roles. 5. Introduce himself to the presumptions applicable during the interpretation of statutes and their applicability. 6. Introduce to the provisions excluding the jurisdiction of courts. 7. Introduce to the general and special statutes and provisions and the interpretation of their respective provisions.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Principles of Legislation** ➢ Law-making - the legislature, executive and the judiciary Interpretation of Statutes ➢ Meaning of the term 'statutes' ➢ Commencement, operation and repeal of statutes ➢ Purpose of interpretation of statutes **Internal aids** ➢ Title ➢ Preamble ➢ Headings and marginal notes. ➢ Sections and sub-sections ➢ Punctuation marks. ➢ Illustrations, exceptions, provisos and saving clauses ➢ Schedules ➢ Non-obstante clause. **External aids**	20

	➢ Dictionaries ➢ Translations ➢ Debates, inquiry commission reports, Law Commission reports, etc.	
II	**Rules of Statutory Interpretation Primary Rules** ➢ Literal Rule ➢ Golden Rule ➢ Mischief Rule (Rule in the Heydon's case) ➢ Rule of Harmonious Construction Secondary Rules ➢ Noscitur a Sociis ➢ Ejusdem Generis ➢ Reddendo Singula Singulis	20
III	**Maxims of Statutory Interpretation** ➢ Delegatus non potest delegare ➢ Expressio unius exclusion alterius ➢ Generalia specialibus non derogant ➢ In pari delicto potior est condition possidentis ➢ Ut res valet potior quam pareat ➢ Expressum facit cessare tacitum ➢ In bonam partem, ➢ In pari material ➢ Lex non cogit and impossibilia ➢ Salus populi est suprema lex	20
IV	**Interpretation with reference to the subject matter and purpose** ➢ Restrictive and beneficial construction ➢ Taxing statutes ➢ Penal statutes ➢ Welfare legislation	15

SUGGESTED READINGS

1. G.P. Singh, *Principles of Statutory Interpretation (Also Including the General ClausesAct, 1897 with Notes)*, 14th edition (Wadhwa Publications, Nagpur 2016)
2. Vepa P. Sarathi, *Interpretation of Statutes*, 5th Edition (Eastern Book Company, 2015)
3. Chakraborty, *Latin Maxims & Interpretation of Statutes*, (Kamal Publishers, 2015)
4. Avtar Singh and Harpreet Kaur, *Interpretation of Statutes*, 4th Edition (Lexis Nexis,2014)
5. S.R.A. Rosedar, *Interpretation of Statutes*, (Lexis Nexis, 2014)
6. B.M. Gandhi, *Interpretation of Statutes*, 2nd Edition (Eastern Book Company, 2014)
7. D.S. Chopra, *Interpretation of statutes*, 1st Edition (Thomson Reuters, 2014)
8. D.N. Mathur, *Interpretation of Statutes*, (Central Law Publication, 2013)
9. N.S. Bindras, *Interpretation of Statutes*, 11th Edition (Lexis Nexis, 2013)
10. Langan P St. J, *The Interpretation of Statutes* (Maxwell Publications, 2010)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Indian Constitutional Law							Course Code: SL LAW 02 02 205 GE 4004
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: II**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The Constitution of India is the supreme law of the country. This course describes the necessary fundamental concepts and doctrines of Constitutional Law. It describes and analyses the division of powers, functions and responsibilities of the three organs of the country i.e. the Executive, the Legislature and the Judiciary. The students will be provided an outline of the existing political system of governance in the country as per the Constitution.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Equipped with research and legal acumen. **2.** Develop an analytical approach to different judgments of the Hon'ble Supreme Court and High Courts. **3.** Know the foundation of Socio, Political and Economic analysis of different policies and legislations will be developed. **4.** Get a synthesis of the Rights and Duties of a Citizen.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit.Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Preamble, Citizenship, Fundamental Rights in General (Article 12-13), Right to Equality (Article 14-18) Right to Freedom (Article 19)	15
II	Right to Freedom (Article 20, 21, 22), Right against Exploitation (Article 23-24), Right to Freedom of Religion (Article 25-28), Cultural and Educational Rights (Article 29-30)	15
III	Right to Property (Article 300A, 31A-31B), Directive Principles of State Policy (Article 36-51), Fundamental duties (Article 51A), Writ Jurisdiction (Article 32 & 226)	15
IV	Independence of the Judiciary, Supreme Court of India: Establishment, Jurisdiction and Powers (Article 124-145), High Courts in the States (Article 214-231), Concept & Evolution of Public Interest Litigation	15

SUGGESTED READINGS

1. Mahendra Pal Singh (Revised), *V. N. Shukla's Constitution of India* (Eastern BookCompany, 12th Edition, 2016)
2. H. M. Seervai, *Constitutional Law of India*, Vol.1-3 (Universal Law Pub., 2015)
3. Mool Chand Sharma, Raju Ramachandran, *Constitutionalism, Human Rights & The Rule of Law* (Universal Law Pub., New Delhi, 2014)
4. Granville Austin, *Working a Democratic Constitution: A History of the IndianExperience* (Oxford University Press, 2013)
5. Granville Austin, *The Indian Constitution: Cornerstone of a Nation* (OxfordUniversity Press, 2013)
6. Durga Das Basu, Commentary *on the Constitution of India* (Lexis-Nexis-Butterworth-Wadhwa, Nagpur, 2011)
7. M. P. Jain, *Outlines of Indian Legal and Constitutional History* (Lexis Nexis, Nagpur, 2011)
8. Mahendra Pal Singh, *Comparative Constitutional Law* (Eastern Book Company, 2011)
9. Justice Sujata V. Manohar, *T K Tope's Constitutional Law of India* (Eastern BookCompany, 2010)
10. Mark Tushnet, *Why the Constitution Matters* (Yale University Press, 2010)
11. Neal Devins and Louis Fisher, *The Democratic Constitution* (Oxford Uni. Press, 2010)
12. Sudhir Krishna Swamy, *Democracy and constitutionalism in India – A study of the Basic Structure Doctrine* (Oxford University Press, 2009)
13. Durga Das Basu, *Comparative Constitutional Law* (Lexis Nexis Publication, NewDelhi, 2nd ed., 2008)
14. D. J. De. *The Constitution of India* (Asia Law House, Hyderabad, 2008)
15. Sylvia Snowiss, *Judicial Review and the Law of the Constitution*, (Universal LawPub., 2008)
16. Durga Das Basu, *Comparative Federalism* (Lexis Nexis, 2007)
17. Dr. Subhash C Kashyap, *Framing of Indian Constitution* (Universal Law Pub., 2004)

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-III

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	General Principles of Criminal Law	SL LAW 02 03 301 C 4105	4	1	0	5
2	Law of torts and Consumer Protection	SL LAW 02 03 302 C 4105	4	1	0	5
3	Commercial Law	SL LAW 02 03 303 C 4105	4	1	0	5
4	Research Methodology, Research Design & Legal Education	SL LAW 02 03 304 C 4105	4	1	0	5
					Total Credits	**20**
Elective Course (s) **(The student is required to opt any one group out of the following groups)**						
1. Criminal Law						
1	History and Principles of Criminal Law	SL LAW 02 03 305 E 4004	4	0	0	4
2	Law Relating to Cyber Crimes	SL LAW 02 03 306 E 4004	4	0	0	4
2. Business Law						
1	Corporate Law and Management	SL LAW 02 03 307 E 4004	4	0	0	4
2	Law of Contractual Transactions	SL LAW 02 03 308 E 4004	4	0	0	4
3. Constitution and Legal Order						
1	Mass Media and Constitutional Democracy	SL LAW 02 03 309 E 4004	4	0	0	4
2	Public Utilities and Welfare State	SL LAW 02 03 310 E 4004	4	0	0	4
4. Family Law						
1	Law of Marriage in India	SL LAW 02 03 311 E 4004	4	0	0	4
2	Law of Matrimonial Reliefs in India	SL LAW 02 03 312 E 4004	4	0	0	4
5. Human Rights Law						
1	Concept and Development of Human Rights	SL LAW 02 03 313 E 4004	4	0	0	4
2	Human Rights and International Order	SL LAW 02 03 314 E 4004	4	0	0	4
					Total Credits	**08**

Course Name: General Principles of Criminal Law					Course Code: SL LAW 02 03 301 C 4105		
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The primary objectives of this course are: To familiarize the students with the key concepts regarding crime and criminal law. To expose the students to the range of mental states that constitute mens rea essential for committing the crime. To teach specific offenses under the Indian Penal Code. To keep students abreast of the latest developments and changes in the field of criminal law.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get conceptual clarity of General Principles of Criminal Law related to IPC, 1860. **2.** Develop the problem-solving skills. **3.** Develop the analytical ability. **4.** Develop the critical thinking ability.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Constituents of Crime, *Actus non facitreum nisi mens sit rea*** ➢ External element: *Actus reus* ➢ Internal element: *Mens rea* (with special reference to its various shades) Classes of Criminal Courts and Power, Relevancy, Admissibility and reliability of fact and evidence	20
II	**Offenses against the Human body** ➢ Culpable Homicide and Murder ➢ Kidnapping and Abduction ➢ Sexual offenses **Offenses against property** ➢ Theft**,** Robbery, extortion ➢ Decoity, misappropriation, ➢ Criminal breach of trust	20
III	**Safeguards to Criminal Behavior: General Defences Excusable and Justifiable** ➢ Mistake ➢ Necessity ➢ Compulsion ➢ Insanity	20

	➢ Private Defense **Inchoate Criminal Offences-** ➢ Abetment ➢ Criminal Conspiracy ➢ Attempt	
IV	Presumptions and burden of proof, Investigation by Police and cognizance by Magistrate, Vigilance, Anti-corruption, details of organizations/agencies such as Central Vigilance Commission, Central Bureau of Investigations, etc. associated with anti- corruption	15

SUGGESTED READINGS

1. K. D. Gaur, *Textbook on Indian Penal Code* (Universal Law Pub., Delhi, 5th ed., 2015)
2. K. D. Gaur, *Criminal Law: Cases and Materials* (Lexis Nexis India, 8th ed., 2015)
3. Chandrasekharan Pillai (ed.) *Kelkar's Outlines of Criminal Procedure* (Eastern Law House, Lucknow, 2013)
4. Avtar Singh, *Principles of the Law of Evidence* (Central Law Agency, New Delhi, 2012)
5. Ratanlal and Dhirajlal, *The Indian Penal Code* (Lexis Nexis, India, 33rd ed., 2012).
6. *Woodroffe and Amir Ali, Law of Evidence* (Lexis Nexis, India, 19th ed., 2012).
7. K. N. C. Pillai & Shabistan Aquil, *Essays on the Indian Penal Code* (The Indian LawInstitute, Revised, 2005).
8. Albert S. Osborn, *The Problem of Proof* (Universal Law Pub., New Delhi, 2001).
9. Polein Murphy, *Evidence* (Universal, Law Pub., New Delhi, 5th Edition, Reprint, 2000).
10. B. M. Gandhi, *Indian Penal Code* (Eastern Book Comp., Nagpur, 1996).
11. P. S. Achuthan Pillai, *Criminal Law* (Eastern Book Comp., Lucknow, 1995).
12. Hidayathullah, M., *et al*., *The Indian Penal Code* (Wadhwa & Co., Nagpur., 1994).

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Law of Torts and Consumer Protection				Course Code: SL LAW 02 03 302 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	This subject aims to make the students to understand the nature of tort and conditions of liability with the help of leading case laws. Law of Torts is a diverse subject that includes a wide range of civil claims concerning conduct, which is happening around us every day. This course is designed to study the fundamental principles of tortious liability, the defenses available in an action for torts, and the capacity of parties to sue and be sued. This course is designed to study the specific torts against the individual and property. Further, the law of torts has an added significance because Consumer Protection Laws are also included to equip the students to handle issues relating to this branch of law.						
Course Outcomes	After the completion of this course, the student would be able to: 1. Understand the rights and duties of individuals in a society. 2. Understand the difference between civil and criminal wrongs. 3. Understand the law of torts as a separate branch of civil law remedy. 4. Understand the various types of remedies available to an aggrieved person for a wrong committed against him. 5. Understand the hierarchy of courts and appropriate forum for the redressal of wrong in torts. 6. Understand the case laws with proper facts, arguments, observations, findings and decisions.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Definition, nature and development of Tort, General Defences, Capacity, Remedies, Damages, claims, Compensation, General conditions of tortious liability, General conditions negating tortious liability	20
II	Trespass to person, Battery, Assault and False Imprisonment, Malicious Prosecution, Defamation, Trespass to goods, Death in Relation to Tort	20
III	Liability for dangerous premises, chattels and animals, Trespass to immovable property, Nuisance, Negligence including contributory negligence, Vicarious Liability, Vicarious Liability of State, Strict Liability, Absolute Liability, Remoteness of Damage	20
IV	Compensating provisions under Motor Vehicle Act, 1988 (With Latest Amendments) Compulsory Insurance, Nature and Extent of Insurer's liability, Insurer's liability for use of the vehicle in a public place, claims tribunal. Consumer Protection Act, 2019 (With Latest	15

	Amendments)- Meaning, Scope and Importance, Consumer Law, Preliminary, Consumer Protection Councils, Disputes Redressal Commission /Agencies, Mediation, Product Liability, Remedies and Penalties	

SUGGESTED READINGS

1. J. N. Pandey: *Law of Torts* (Central Law Publications, Allahabad, 2019)
2. R. K. Bangia: *A Handbook of Consumer Protection Laws & Procedure for the Lawman & the Layman* (Asian Offset Press, Faridabad, 2018)
3. R. K. Bangia: *Law of Torts (Including Compensation under The Motor Vehicles Act and Consumer Protection Laws* (Allahabad Law Agency, Allahabad, 2018)
4. S. K. Kapoor: *Law of Torts* (Central Law Agency, Allahabad, 2016)
5. Ratanlal & Dhirajlal (Revised by Akshay Sapre): *Ratanlal and Dhirajlal's The Law of Torts* (Lexis Nexis, Gurugram, 2016)
6. Avtar Singh: *P. S. A. Pillai's Law of Tort* (Eastern Book Company, Lucknow, 2008)
7. Kumud Desai: *Law of Torts* (An Outline with Cases), (N.M. Tripathi, Bombay, 1985)

Note: Students are advised to study the latest edition of the recommended books and case laws.

<table>
<tr><td colspan="4">Course Name: Commercial Law</td><td colspan="4">Course Code: SL LAW 02 03 303 C 4105</td></tr>
<tr><td rowspan="2">Session 2022-23 onwards</td><td rowspan="2">Programme: LL.M. (2 Year) Course</td><td rowspan="2">Semester: III</td><td>L</td><td>T</td><td>P</td><td>Credit</td><td>Contact Hrs. per Week: 5</td></tr>
<tr><td>4</td><td>1</td><td>0</td><td>5</td><td>Total Hrs.: 75</td></tr>
<tr><td colspan="3">Total Evaluation Marks:100
CIE: 30 Marks
TEE: 70 Marks</td><td colspan="5">Examination Duration: 3 Hrs.</td></tr>
<tr><td>Course Objectives</td><td colspan="7">In day-to-day life, every individual makes a variety of promises. Every promise gives rise to an expectation in the minds of other parties that, the promisor would perform certain obligations and fulfill the promise towards him/her. However, all promises are not enforceable by law. Only those promises which are meant for enforcement through law are termed as contracts. The law of contract is a branch of law that deals with the regulation of all types of promises which are meant to be enforced through law. In India, the general principles of contract laws are codified under the Indian Contract Act, 1872. The expansion of commercial activities at a global market environment makes the understanding of the law of contract even more critical. Further, a lucid understanding of the fundamental principles of Special Contracts facilitates not only resolving the disputes arising out of such contracts but also in the drafting of contractual instruments. The law of Special Contracts is marked by the peculiar and mostly predictable legal relationship subsisting between the parties. The frequency of these kinds of transactions in the affairs of men has led to the development of established rules of prescriptions and prohibitions determining the implications and permissible possibilities of these kinds of contractual relations. The fundamental principles of contractual relations continue to apply the special forms of the contract unless specifically excluded as in the case of the rule of consideration in the case of a contract of agency.</td></tr>
<tr><td>Course Outcomes</td><td colspan="7">After the completion of this course, the student would be able to:
1. Acquaint with the conceptual and operational parameters of various general principles relating to contract law.
2. Understand the applicability of contract law in day-to-day life.
3. Understand the implication of contract law to enable them to deal effectively with the various disputes related to contracts in diverse fields.
4. Acquaint with the basics of Special Contracts.
5. Grasp the nuances of the contractual transactions involving these forms of contracts. They will be able to determine the legality of the transactions and also the rights and duties of the parties thereto.
6. Deal with the disputes arising out of such contractual arrangements.
7. Understand the applicability of contract law in day-to-day life.
8. Equip with the implication of contract law to enable them to deal effectively with the various disputes related to contracts in diverse fields.</td></tr>
<tr><td colspan="8">COURSE SYLLABUS</td></tr>
<tr><td colspan="8">NOTE:
1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.</td></tr>
</table>

Unit No.	Contents	Contact Hrs.
I	Essential Elements of Contract and E-Contract, Breach of Contract, Frustration of Contract, Void & Voidable Contract, Standard form of Contract, quasi-contract, Indian Partnership Act, 1932 (With Latest Amendments)	20
II	Specific Contracts- Indemnity, Pledge, Bailment, Guarantee and Agency, Sales of Goods Act, 1930 (With Latest Amendments)	20
III	Partnership and limited liability partnership, Negotiable Instruments Act, 1881 (With Latest Amendments)	20
IV	Company Law- Incorporation of Company, Prospectus, Shares and Debentures, Directors and Meetings, Corporate Social Responsibility	15

SUGGESTED READINGS

1. Avtar Singh: *Law of Contract & Specific Relief* (Eastern Book Company, Lucknow, 2020)
2. R.K. Bangia: *Contract* (Allahabad Law Agency, Allahabad, 2020)
3. J. Beatson, Andrew Burrows & John Cartwright: Anson's Law of Contract (Oxford University Press, London, 2020)
4. H. K. Saharay: Dutt on Contract-*The Indian Contract Act, 1872* (Eastern Law House, Kolkata, 2018)
5. Michael P. Furmston: *Cheshire, Fifoot & Furmston's Law of Contract* (Oxford University Press, London, 2017)
6. Pollock & Mulla (Revised & edited by Nilima Bhadbhade): *Indian Contract Act, 1872* (Lexis Nexis, Gurugram, 2014)
7. N. C. Seddon, R. A. Bigwood & M. P. Ellinghaus: *Cheshire and Fifoot-Law of Contract* (Butterworths, London, 2012)
8. H. G. Beale and Joseph Chitty: *Chitty on Contracts: General Principles* (Sweet & Maxwell, London, 2008)
9. M. Krishnan Nair: *Indian Contract Law* (Orient Longman, Hyderabad, 2005)
10. G. H. Treitel: *The Law of Contract* (Sweet & Maxwell, London, 2003)
11. Venkoba Rao (Revised by S. C. Srivastava): *Law of Agency* (Lexis Nexis, Gurugram, 2001)
12. T. S. Venkatesa Iyer: *Lectures on Law of Contract* (Asia Law House, Hyderabad, 1983)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Research Methodology, Research Design & Legal Education				Course Code: SL LAW 02 03 304 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 74**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The main objective of this course is to acquaint the students of law with the scientific methods of legal research for the acquisition of knowledge. This course is expected to provide the knowledge of the technique of selection, collection and interpretation of primary and secondarydata in socio-legal research. Emphasis would be laid on practical training to conduct researchin this course. With this course the students are expected to develop a scientific approach to socio-legal problems.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get an idea about position of legal education in India and its governing authority along with history of legal education in India. **2.** Gain elementary understating of Research and application of research methods in the field of law.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Introduction- meaning and importance of research, types of research (including doctrinal and non-doctrinal research) and reflective thinking, Legal Research- Scope and Objective of legal research, the distinction between legal research and social research, various methods and techniques of legal research	20
II	Process of Research-Research methodology, Formulation of research issues, factors and criteria in the selection of research problems and development of theoretical orientation, Quantitative methods, and computer applications, Hypothesis- Meaning, Importance, criteria for judging a workable hypothesis	20
III	Legal Materials and law library: Primary and Secondary materials, statutes and rules, judicial decisions, law reports and digests, parliamentary debates, How to use and find materials from theinternet by using the online database, Fact-Finding Methods, and interviewing Techniques	20
IV	System for citing documents in legal writing, rules relating to footnoting, preparation of bibliography and abbreviations.	15

SUGGESTED READINGS

1. K. Mony, K. Usha, *Legal Language* (Usha Publications, 2nd ed., 2016).
2. Tushar Kant Saha, Textbook on Legal Methods, Legal Systems and Research(Universal Law Pub., Co., 2015).
3. K. L. Bhatia, *Textbook on Legal Language and Legal Writing*, (Universal LawPublishing Co Pvt. Ltd., 2nd ed., 2013).
4. S.R. Myneni, *Legal Language and Legal Writing* (Asia Law House, 1st ed., 2011)
5. William J. Grade and Paul K. Hatt, *Methods in Social Research* (McGraw-Hill BookCompany, London, 2011).
6. S. K. Verma & M Afzal Wani (eds.), *Legal Research and Methodology* (Indian Law Institute, New Delhi, 2nd ed., 2006).
7. Bruce L. Berg, *Qualitative Research Methods for the Social Sciences* (London: Allyn and Bacon, 2001).
8. N. R. Madhava Menon, (ed.) *A Handbook of Clinical Legal Education* (Eastern BookCompany, Lucknow, 1998).
9. High Brayal, Nigel Dunean and Richard Crimes, *Clinical Legal Education: ActiveLearning in your Law School* (Blackstone Press Limited, London, 1998).
10. Vijay K. Gupta, *Decision Making in The Supreme Court of India* (A Jurimetrics Study Alternatives in Judicial Research) (Kaveri Books, Delhi, 1995).

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-I

Course Name: History and Principles of Criminal Law			Course Code: SL LAW 02 03 305 E 4004				
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	Indian Penal Code is a comprehensive piece of legislation applicable to all persons and has intra territorial as well as extra territorial jurisdiction. The code lays down the general penal law of the country. Being a compulsory paper, an endeavor has been made to provide extensive knowledge of different offenses covered under this Code. The course has been designed to inculcate the quest for learning, acquiring the habit of referring to sources of law. Through internal and external evaluation coupled with preparation and presentation of project reports, related to course contents as well as inter-disciplinary topics, this paper seeks to strengthen the learning ability of the students.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get Conceptual clarity of General Principles of Criminal Law related to the Indian Penal Code, 1860. **2.** Develop the problem-solving skills. **3.** Develop the analytical ability. **4.** Develop the critical thinking ability.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Nature and definition of crime, Distinction between Moral, Civil and Criminal Wrongs. Are Crimes and Torts Complementary? Elements of Crime and Theories of Criminal Liability Human Beings. *Mens rea*, *Actus reus*, Injury to the human being, causation of crime, subjective and objective of theories of crimes, Mental Element in Crimes – *The Maxim Actus Non Facit Reum Nisi Means Sit Rea*, Volition, Intention, Motive, Origin and Development of *Means rea*, *Means rea and Statutory Crimes*, *Exceptions to Means rea*, Modern Trends of *Means rea*, Applicability of *Means rea* in Indian Penal Laws, *Means rea* under Indian Penal Code, 1860	15
II	Punishment – Nature, Kinds of Punishment, Theories of Punishment, Measure of Punishment, Modern View on Punishment and Penal Code, Individualization of Punishment, Compensation to the Victims, Executive Clemency, Commutation of Sentence, Suspension	15

	and Remission, Pardon, Inchoate Crimes- Abetment, Criminal Conspiracy, Attempt, Joint Liability, Vicarious Liability, Strict Liability and Liability of Corporations	
III	General Defenses – Excusable, Ignorance (Mistake) of Fact, Executive and Judicial Acts, Accident, Necessity, Duress or Coercion, Infancy, Unsoundness of Mind, Intoxication, Consent, Triviality, Justifiable – Right of private Defence of Persons and property, Provocation	15
IV	The burden of proof concerning General Defences and Crimes generally, Law Relating to Culpable Homicide, Offences against Property, Defamation	15

SUGGESTED READINGS

1. K.D. Gaur: *Textbook on Indian Penal Code* (Universal /Lexis Nexis, Gurugram, 2020)
2. N.V. Paranjape: *Indian Penal Code* (Central Law Publications, Allahabad, 2019)
3. K.D. Gaur: *Commentary on the Indian Penal Code* (Central Law Publications, Allahabad, 2019)
4. K. A. Pandey: *B.M. Gandhi Indian Penal Code* (Eastern Book Company, 2019)
5. S.R. Myneni: *Law of Crimes (Indian Penal Code, 1860)* (Asia Law House, Hyderabad, 2019)
6. K. S. N. Murthy & K. V. S Sarma: *KSN Murthy's Criminal Law*, (LexisNexis, Gurugram, 2017)
7. Harish Chander: *The Indian Penal Code-A Critical Commentary* (Eastern Law House, Kolkata,2017)
8. R. N. Saxena*: Indian Penal Code* (Central Law Publications, Allahabad, 2017)
9. P. S. A. Pillai: *Criminal Law-Incorporating the Criminal Law (Amendment) Act, 2013* (Lexis Nexis India, Gurugram, 2017)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Law Relating to Cyber Crimes				Course Code: SL LAW 02 03 306 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	This course has its focus on and understanding primarily legal aspects related to cyber laws and cyber-crimes. Further, the course aims to acquaint the students with the latest developments in the field of Information & Communication Technology. This course gives a glimpse of the different kindsof crimes committed in the virtual world and also discusses the legal provisions enacted at the national and international levels to combat cyber crimes						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Deal firmly with basic principles of Cyber law and administration. **2.** Demonstrate a high level of understanding in the matters of cyber investigation, cyber-crimes etc. **3.** Make ethical enquiries which introduced them to the disciplines, concepts and scientific methods of cyber law and relationships with other stake holders in the same.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Fundamentals of Cyber Law** ➢ The conceptual and theoretical perspective of cyber law ➢ Development of Cyber Law – National and International Perspective ➢ Information Technology Act, 2000 (as amended by the IT Amendment Act, 2008)	15
II	**Cyber Crimes – Legal Issues and Challenges, History & Evolution of Cyber Crime, Kinds of Cyber Crime-** ➢ Cyber Hacking ➢ Cyber Stalking ➢ Cyber Terrorism ➢ Cyber Crime related to finance ➢ Cyber Defamation ➢ Cyber PornographyImpacts of Cyber Crime Prevention of Cyber Crime	15
III	**Cyber Law: International Perspectives** ➢ Budapest Convention on Cybercrime ➢ ICANN's core principles and the domain names disputes ➢ Net neutrality and the EU electronic communications regulatory framework	15
IV	**Cyber Law – Contemporary Trends** ➢ Impact of cyber warfare on privacy, identity theft	15

	➢ International law governing Censorship, online privacy, copyright regulations ➢ Online Intermediaries in the governance of the Internet ➢ Social Networking Sites vis-à-vis Human Rights	

SUGGESTED READINGS

1. M. Dasgupta, *Cyber Crime in India: A Comparative Study*, (Eastern Law House,Kolkata, 2016)
2. Yatindra Singh, *Cyber Laws* (Universal Law Publishing Co., Delhi, 2016)
3. Pavan Duggal, *Text Book on Cyber Law*, (Universal Law Publishing, 2014)
4. Pavan Duggal, *Cyber Law: A Exhaustive Section-wise Commentary on the InformationTechnology Act along with Rules and Regulations*, (Universal Law Publishing, 2014)
5. Pavan Duggal, *Cyber Frauds, Cyber Crimes and Law in India*, (Universal LawPublishing, 2014)
6. Manish Kumar Chuabey, *Cyber Crimes and Legal Measures*, (Regal Publications, 2013)
7. R.K. Chaubey, *An Introduction to Cyber Crime and Cyber Law* (Kamal Law House, Kolkata, 2009)
8. Nandan Kamath, *Law relating to Computers, Internet and E-Commerce - A Guide to Cyber Laws and Information Technology Act, 2000 (with Rules, Regulations and Notifications)* (Universal Law Publishing Company, Delhi, 2007)
9. Farooq Ahmad, *Cyber Law in India - Law on Internet* (Pioneer Books Publication, NewDelhi, 2005)
10. P.M. Bakshi and S.K. Suri, *Handbook of Cyber and E-Commerce Laws* (BharatPublishing House, New Delhi, 2002)
11. Pavan Duggal, *Cyber Law - The Indian Perspective* (Saakshar Law Publication, New Delhi, 2002)
12. V.D. Dudeja, *Cyber Crime and the Law* (Commonwealth Publication, New Delhi, 2002)
13. Parag Diwan, and Shammi Kapoor, *Cyber and E-Commerce Laws (with Information Technology Act, 2000)* (Bharat Law House, New Delhi, 2000)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-II

Course Name: Corporate Law and Management				Course Code: SL LAW 02 03 307 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks:100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	To study the legal and quasi-legal problems connected with the corporate sector with particular references to the laws, regulations and administrative framework relating to the organization and working of joint-stock enterprises and the regulations of the capital market in India. To give an appreciation of the significance of the law of corporate enterprises in industrializing of India and comprehension of the economic and social values of which economy and evaluation of the Indian Company law and practice in that context. To study and evaluate the relevant case law with a view to the evolution of a sound code of company practice, and to make a comparative study of the law and practice in other countries on an important aspects of Company law and its administration.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Learn the basics of laws governing a company. **2.** Understand the concepts and features of companies, Rights, duties & Liabilities or promoters, classification of companies, Pre & Post- incorporation stages, lifting of corporate veil, memorandum of Association and Articles of Association.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	History of jurisprudential aspects of company Legislation in India, Concept of corporate personality and limited liability advantages of Incorporation; Doctrine of Piercing the Corporate Veil, Corporation and Fundamental Right, Kinds of companies and other forms of Business Organization, Registration and in-corporation, Memorandum of Association, Doctrine of Ultra Vires, Articles of Association, the doctrine of constructive notice and Indoor management, Promoters- position, importance, duties and liabilities, National Company Law Tribunal-Constitution, Powers and Functions	15
II	Prospectus, Liability for misstatements, Shares- Meaning and Nature, Kinds, Allotment, Transfer and Transmission, Effects of irregular Allotment, Right issues, Bonus Shares, Purchase of its own shares, Borrowing Powers of Companies- Debentures, Kinds of Debentures, Charges, Classification of Charges, Regulation of Charges, Securities and	15

	Exchange Board of India Act, 1992- Salient Features, Dividend- Meaning and Nature, power to pay a dividend, mode of payments, Limitations on payments, Charitable and political contributions by companies	
III	Meetings- Meaning and kinds of meeting, Procedure and conduct of meeting- Notice; quorum, Voting Resolutions and Minutes, Directors- Concepts of Directors and its evolution, Philosophy for the emergence of Board of Directors, Position and status of directors, kinds of directors, Appointment of Directors and their retirement, Directors- qualifications, disqualifications, powers and duties including fiduciary obligations, removal of directors, Managing Director, Whole-time Directors and Manager appointment, Powers and Functions, Managerial Remuneration; Statutory Limits and Restrictions, Investigation and inspection-powers of Central Government and National Company Law Tribunal	15
IV	Control- Share-holders control over the management and Government Control over management, Majority powers and Minority rights, oppression and mismanagement, Winding up and distribution- Meaning and scope, kinds of winding up, Effects of Liquidation proceedings on the company and its organs, members, creditors and workers, Liquidator and official liquidator- position, power, and duties	15

SUGGESTED READINGS

1. Avtar Singh: *Company Law* (Eastern Book Company, Lucknow, 2019)
2. J. P. Sharma: *Corporate Laws* (Ane Books Pvt. Ltd., New Delhi, 2019)
3. Munish Bhandari: *Professional Approach to Corporate Laws and Allied Laws* (Best word publication pvt. Ltd, Delhi, 2019)
4. Rodney D. Ryder: *Drafting Corporate & Commercial Agreements*, (Universal Law Publishing Co., Delhi, 2017)
5. Eilis Ferran, Look Chan Ho: *Principles of Corporate Finance Law* (Oxford University Press, 2014)
6. A.K. Majumdar: *Company Law and Practice,* (Taxmann Publications Private Limited, New Delhi, 2012)
7. Satya Prasad B. G: *Kulkarni P V, Financial Management* (Himalaya Pub. House-New Delhi, 2011)
8. Tripathi B K: *Company Law and Corporate Finance* (Sumit Enterprises, New Delhi, 2010)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Law of Contractual Transactions				Course Code: SL LAW 02 03 308 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks:100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The students would be expected to be well conversant with the general principles of contracts and the law relating to specific contracts in India. They should also be well familiar with the evolution of law, leading judicial decisions (English and Indian) with important comparative developments elsewhere.						
Course Outcomes	After the completion of this course, the student would be able to: 1. Define, distinguish and apply the basic concepts and terminology of the law of contract. 2. Define and distinguish amongst the various processes involved in contract performance. 3. Identify the relevant legal issues that arisen on a given contract.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Genesis and Philosophy of Contracts and its importance in a commercial developing society, Freedom of Contract- Nature and basis of contractual obligation, Formation of Contract- Agreement and Contract, Intention to create legal obligation; Requirements of valid contract, Proposal and Acceptance- Essential elements, communication and revocation, proposal and invitation for proposal standing offer, Tenders and Auction sale, Standard Forms of Contract- Exclusion clauses and their effects, Unilateral and bilateral contracts, Capacity to Contract- Meaning and Scope, Contractual Capacity of a Minor, Corporation, Government, Consequences of Minor's Agreement and Stopple, Ratification, Contract by a person of unsound mind- Legal effects, Other Legal disabilities, Free consent- Meaning and Scope- Vitiating Elements- Coercion, Fraud, Mis- representation, Undue influence and Mistake, Distinction between Fraud and Innocent Misrepresentation, Coercion and Duress, Mistake of Law and Mistake of Fact, Common, Mutual and Unilateral Mistake, Remedies available when agreement is vitiated by Mistake	15
II	Consideration- *Nudum pactum*- Its need, Meaning and Essentials, Adequacy of consideration, privity of contract and consideration- Exceptions, Past, Executed and Executory Consideration, Doctrine of Consideration and Promissory Estoppels, Essentiality of consideration with exceptions, Legality of objects and consideration- Unlawful consideration and objects, void, voidable and unlawful agreements and their effects, Concept of immoral and Public Policy, Consideration against Public Policy, Void Agreements, Agreement in restraint of Marriage, Agreement in restraint of Trade Agreement in restraint of legal proceedings, Uncertain Agreement and Wagering	15

	Agreement, Contingent Contract- Meaning and scope, Reciprocal Promises, Discharge of Contract- Meaning and modes of discharge; performance and Tender- place and time of performance, time as essence of contract performance of joint promises, Discharge by Agreement- Novation Remission of performance, Accord and Satisfaction, Discharge by Impossibility of performance and Frustration- Nature and scope of the doctrine of Frustration, Specific ground of frustration	
III	Restitution, Quasi-Contracts or certain relation resembling those created by contract, Breach of contract and remedies, Meaning of breach and Anticipatory breach, Damages- Meaning and Nature, Kinds, Rule in Hadly v. Baxendable- Remoteness of Damage, Contract of Indemnity- Definition and Nature, the distinction between Indemnity and Guarantee, Rights of the Indemnity Holder, Contract of Guarantee- Definition and scope, Specific and Continuing Guarantee; Creditors Right against Principal Debtor and Surety, Discharge of Surety; Surety's Rights against the principal debtor and Co-surety, Principal of Contribution by co-surety	15
IV	Bailment- Definition and Essential Features, Bailment for Reward and gratuitous Bailment, Right and duties of Bailor and bailee, Finder of lost goods- Rights and Duties of finder; Rights and Liabilities of the owner, Pledge- Definition, Nature and Scope; who can pledge, Rights and duties of pawnor and pawnee, Kinds of Agents- Factory, Brokers, Auctioneers, Del-Cordere agents, etc., Agency- Nature, Distinction from other transactions; Contractual basis of Agency, Modes of Creation of Agency- Express, implied, ratifications by operation of law, Scope of Agent's Authority; Rights and Liabilities of the Agent as against principal and third party, Rights and Liabilities of Principal and third party as against each other and as against agent, Delegation by Agent- Sub-agent and substituted Agent- Distinction and Legal Effects, Termination of Agency, modes of termination, Agency couple with interest	15

SUGGESTED READINGS

1. Avtar Singh: *Law of Contract & Specific Relief* (Eastern Book Company, Lucknow, 2020)
2. R.K. Bangia: *Contract* (Allahabad Law Agency, Allahabad, 2020)
3. J. Beatson, Andrew Burrows & John Cartwright: Anson's Law of Contract (Oxford University Press, London, 2020)
4. H. K. Saharay: Dutt on Contract-*The Indian Contract Act, 1872* (Eastern Law House, Kolkata, 2018)
5. Michael P. Furmston: *Cheshire, Fifoot & Furmston's Law of Contract* (Oxford University Press, London, 2017)
6. Pollock & Mulla (Revised & edited by Nilima Bhadbhade): *Indian Contract Act, 1872* (Lexis Nexis, Gurugram, 2014)
7. N. C. Seddon, R. A. Bigwood & M. P. Ellinghaus: *Cheshire and Fifoot-Law of Contract* (Butterworths, London, 2012)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-III

Course Name: Mass Media and Constitutional Democracy				Course Code: SL LAW 02 03 309 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	Mass media such as press; radio , television, films, books and internet/websites and others communicate messages in mass volume to the huge 'masses' of people through industrialised process of creation, communication and distribution of messages. In the Constitution of India, the freedom of press or media has been premised on the citizen's right freedom of speech and expression. [Article 19 (1) a]. The right to freedom of expression of individual is the empirical and philosophical basis of a democratic society. The press or mass media facilitate the democratic process of forming, holding, developing, shaping and expressing the consent of masses in the form of election of the government of their choice and formulation of law and polices of their choice. The course aims to introduce broader constitutional mechanism protecting and regulating the freedom of press in India. The course will expose the students to various theories of media and democracy and also the discourse of freedom of speech. The covers various contemporary contentious issues on media freedom like sedition, obscenity, privacy, paid news, regulation of media ownership, piracy and various others.
Course Outcomes	After the completion of this Course, the student would be able to: **1.** Know about the various forms of governance in the world and the advantages and disadvantages of each type of governance. **2.** Get Knowledge about the legislative framework and administration machineries about Mass Media. **3.** Know the scope of freedom of the press in India.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.

I	**Form of Government** ➢ Presidential ➢ Parliamentary form of Government under the Constitution ➢ Executive Power **Parliament/State Legislature** ➢ Composition of Two Houses ➢ Qualifications/disqualifications Legislative Procedure	15
II	**Election Commission** ➢ Constitution of Election Commission-Powers and Functions. ➢ Electoral Reforms-Need **Parliamentary Privileges** ➢ Nature and Extent Courts and Parliamentary Privileges	15
III	**Relation of Executive and Legislature** ➢ Executive Control of the Legislature ➢ Role of the Legislature ➢ Scrutiny of the Administration, Control over the legislation Legislative Committees	15
IV	**Mass Media** ➢ Ownership ➢ Monopoly- Private and Government **Freedom of the Press** ➢ Provisions of the Constitution ➢ Article 19(1)(a) ➢ Reasonable Restrictions- Scope **Role of the Mass Media** ➢ Accountability ➢ Press Council of India, Press and Parliamentary Privileges	15

SUGGESTED READINGS

1. V.N. Shukla, *Constitution of India* (Eastern Book Company, 12th Edition, 2013)
2. Durga Dass Basu, *Commentary on the Constitution of India* (Lexis Nexis Butterworths Wadhwa, 2011)
3. M.P. Jain, *Indian Constitutional Law* (Lexis Nexis Butterworths Wadhwa, 6th Edition, 2010)
4. P.K. Saini, R. K. Gupta, *Right to Information Act, 2005: Implementation and Challenges* (Deep and Deep Publications, 2009)
5. Madabhushi Sridhar, *Madabhushi Sridhar Acharyulu's Right to Information* (Lexis Nexis, 2007)
6. Umar Sama, *Law of Electronic Media* (Deep & Deep Publication Pvt. Ltd., 2007)
7. Vikram Raghavan, *Communications Law in India (Legal Aspects of Telecom, Broadcasting and Cable Services),* (Lexis Nexis, 2007)
8. Eric Barendt, *Freedom of Speech* (Oxford University Press, 2006)
9. Madhavi Divan, *Facets of Media Law* (Eastern Book Company, Lucknow, 2006)
10. H.M. Seervai, *Constitutional Law of India* (Universal Law Publishers, 2005)
11. Robertson and Nicol, *Media Law* (Sweet & Maxwell, 4th edition, 2002)
12. V.Nelson, *The Law of Entertainment and Broadcasting* (Sweet & Maxwell, 2nd Edition, 2000)
13. Soli. J. Sorabjee, *the Law of Press Censorship in India* (N.M. Tripathi Pvt Ltd., 1976).

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Public Utilities and Welfare State				Course Code: SL LAW 02 03 310 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The course aim to impart knowledge about the public utilities and welfare shall in the contemporary era. Further, the course aims to highlight about the framework of public utilities, liabilities and bureaucratic set up in India.						
Course Outcomes	After the completion of this Course, the student would be able to: **1.** Know the importance of stability in the provision of Public Utility Services. **2.** Get in depth knowledge about the economic democracy through directive principles of state policy. **3.** Get critical analyses of fundamental rights and privatization of public utilities.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Concept of a Welfare State** ➢ Preamble ➢ Concept of a Modern State **Directive Principles of State Policy: Economic Democracy** ➢ Nature, non-enforceability ➢ Different Directive Principles- Contents. ➢ The difference with Fundamental Rights. ➢ Implementation-Article 31C ➢ Incorporation in fundamental rights- A judicial Technique.	15
II	**Fundamental Rights** ➢ Utilitarian Approach of Fundamental Rights. ➢ Restrictions on fundamental rights for General Welfare **Power of Eminent Domain** ➢ Right to Property ➢ Police Power	15
III	**Public Utilities** ➢ A framework of Public Utilities- Departmental Statutory, Govt. Co's etc. ➢ Status of the Employees**,** Control on Public Utilities- Govt. and Judicial **Privatization of Public Utilities** ➢ Efficiency in Public Utilities ➢ Accountability	15

	Liabilities of Public Utilities ➢ Contractual, Tortious, Criminal	
IV	**Bureaucracy** ➢ Union and State Services ➢ Doctrine of Pleasure ➢ Constitutional Safeguards	15

SUGGESTED READINGS

1. Durga Das Basu & S P Sen Gupta: *Administrative Law* (Kamal Law House, Kolkata, 2019)
2. Durga Das Basu: *Introduction to the Constitution of India*, (LexisNexis, India, 2019)
3. J. J. R. Upadhaya: *Administrative Law* (Central Law Agency, Allahabad, 2019)
4. M.C. Jain Kagzi: *The Constitutional of India* (India Law House, New Delhi, 2019)
5. Durga Das Basu: *Shorter Constitution of India* (Prentice-Hall of India, New Delhi, 2018)
6. M. P. Jain*: Indian Constitutional Law* (LexisNexis, Gurugram, 2018)
7. U. P. D. Kesari: *Administrative Law* (Central Law Publication¸ Allahabad, 2018)
8. David E. McNabb, *Public Utilities, Old Problems, New Challenges* (2nd Edition, Elgar, 2016)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-IV

Course Name: Law of Marriage in India				Course Code: SL LAW 02 03 311 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	Family is the basic unit of Indian society. Family members live together with certain rights and duties towards one another as well as towards society. The subject of family law is important to understand those rights and obligations, to regulate the family matters through the law and thus minimize conflicts within the family. This subject is also important to understand the various reliefs in family disputes.						
Course Outcomes	After the completion of this course, the student would be able to: 1. Prepare for judicial services Examinations. 2. Prepare for various other competitive examinations. 3. Participate in Mediation and conciliation of family disputes. 4. Go for practice as specialized Advocate in Family matters.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Sources of Hindu Law, Sources of Muslim Law, Sources of Other Personal Laws, Schools of Law, Migration, Domicile, Residence and Problem of Conflict of Personal Laws,	15
II	Kinds of Marriage, Conditions/ Requisites of Marriage, Solemnization and Ceremonies of Marriage, Concept of Uniform Civil Code	15
III	Marriage Laws in India- The Hindu Marriage Act, 1955, (With latest Amendments), Muslim Law, The Indian Christian Marriage Act, 1872, (With latest Amendments), The Parsi Marriage and Divorce Act, 1936, (With latest Amendments), Application of Law, Evolution of Institution of Marriage	15
IV	The Special Marriage Act, 1954, (With latest Amendments), Registration of Marriage, NRI Marriages	15

SUGGESTED READINGS

1. Basant K. Sharma: *Hindu Law* (Central Law Publications, Allahabad, 2020)
2. Paras Diwan: *Family Law* (Allahabad Law Agency, Faridabad, 2020)
3. Kusum*: Family Law Lectures–Family Law- I* (LexisNexis, Gurugram, 2019)
4. M. A. Qureshi: *Muslim Law* (Central Law Publication, Allahabad, 2018)
5. Poonam P. Sexena: *Family Law Lectures-Family Law II* (LexisNexis, Gurugram, 2018)
6. Paras Diwan & Pyushi Diwan: *Family Law* (Allahabad Law Agency, Faridabad, 2018)
7. Poonam P. Saxena: *Family Law Lectures-Family Law II* (LexisNexis India, Gurugram, 2018)
8. S. R. Myneni: *Hindu Law (Family Law I)* (Asia Law House, Hyderabad, 2017)
9. U. P. D. Kesri: *Modern Hindu Law*, (Central Law Publications, Allahabad, 2015)
10. Satyajeet A. Desai: *Mulla's Principles of Hindu Law, Vol. I & II*, (LexisNexis, Gurugram, 2013)
11. Flavia Agnes, *Family Law: Volume 2: Marriage, Divorce and Matrimonial Litigation*, (Oxford University Press, New Delhi, 2012)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Law of Matrimonial Reliefs in India				Course Code: SL LAW 02 03 312 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week:4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The course aims to create awareness and educate the students about rights and duties of members of family towards each other. Further, it give overview to the students and enhance their understanding on the current laws on divorce, restitution of conjugal rights and validity of marriage. It also aims to give practical exposure to students about the matrimonial disputes and matrimonial reliefs.
Course Outcomes	After the completion of this course, the student would be able to: 1. Practice in law courts as specialized matrimonial lawyer. 2. Join Research Houses, especially on issues relating to women and children at domestic and international level. 3. Participate in the cases of arbitration and conciliation related to matrimonial disputes.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Restitution of Conjugal Rights and its Constitutionality, Choice of Matrimonial Home, Judicial Separation	15
II	Nullity of Marriage, Void Marriage, Voidable, Irregular Marriage, Difference between Void and Voidable Marriages	15
III	Theories of Divorce- Fault Theory, Irretrievable Breakdown Theory, Consent Theory, Difference between Judicial Separation and Divorce	15
IV	Grounds of Divorce/ Dissolution of Marriage, Fair Trial to Marriage Rule, Alternative Relief in Divorce Proceedings, Remarriage of Divorced Persons	15

SUGGESTED READINGS

1. Kusum, *Family Law Lectures-Family Law I* (LexisNexis India, Gurugram, 2019)
2. Paras Diwan & Peeyushi Diwan: *Family Law* (Allahabad Law Agency, Faridabad, 2018)
3. M. A. Qureshi: *Muslim Law* (Central Law Publication, Allahabad, 2018)
4. Poonam P. Saxena: *Family Law Lectures-Family Law II* (LexisNexis India, Gurugram, 2018)
5. G.V. Subba Rao & Dr. Vijender Kumar: *G. C. V. Subba Rao's Family Law in India* (S Gogia & Company, Hyderabad, 2018)
6. B.R. Verma: *Commentaries on Mohammedan Law in India, Pakistan and Bangladesh* (Law Publishers (India) Pvt. Ltd., Allahabad, 2017)
7. Kahkashan Y. Danyal: *Muslim Law of Marriage, Dower, Divorce and Maintenance* (Regal Publications, New Delhi, 2015)
8. Flavia Agnes, Family Law: *Volume 2: Marriage, Divorce and Matrimonial Litigation*, Oxford University Press, 2012)
9. Flavia Agnes, Law, Justice and Gender: *Family Law and Constitutional Provisions in India* (Oxford University Press, 2011)
10. Paras Diwan: *Law of Marriage and Divorce* (Universal Law. Publishing Co. Pvt. Ltd., New Delhi, 2011)
11. Kumud Desai: *Law of Marriage and Divorce* (N.M. Tripathi Pvt. Ltd., Bombay,1982)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-V

Course Name: Concept and Development of Human Rights				Course Code: SL LAW 02 03 313 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The course aims to provide a rigorous and integrated academic study of human rights law, principles and practices recognizing the strong inter-relationship and dependencies of the elements. The course further aims to indicate ways of extending human rights practice and apply human rights theory to quickly evolving situations.
Course Outcomes	After the completion of this course, the student would be able to: 1. To acquire an understanding of the principles and institution of human rights law including their origin, assumptions, contents, limits and potentials. 2. Have an advanced and integrated knowledge of international and development legal and institutional frameworks for the protection and promotion of human rights. 3. Understand and critically examine the inter-relationship between international, regional and domestic histories, philosophies, policies and practices of human rights law.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Human Rights – Origin, Development, Nature and concept, Evolution of the concept of Human Rights in the Indian tradition: ancient, medieval and modern, Human Rights in the western tradition, Development of Natural Rights, Human Rights in International Law and National Law	15
II	Classification of Human Rights- First, second and third generations: Historical development, Human rights, Politics and Society– Colonization, imperialism and Human Rights; Power, practices imperialism and Human Rights, Power, practices, accountability and transparency, liberalization, privatization and globalization, Human duties, responsibilities and obligations	15
III	Codification of Human rights at the international and national level in India, Human Rights under the Criminal laws of India	15

IV	Human Rights under the labour Laws of India: Human Rights of Prisoners and victims of war, Human Rights of women and children with special reference to employees	15

SUGGESTED READINGS

1. Rhona K. M. Smith: *Textbook on International Human Rights* (Oxford University Press, Oxford, 2019)
2. H. O. Agarwal: *A Concise book on International Law and Human Rights* (Central Law Publications, Allahabad, 2017)
3. S. K. Kapoor: *Human Rights under International Law & Indian Law* (Central Law Agency, Allahabad, 2017)
4. Richard Stone: *Textbook on Civil Liberties & Human Rights* (Oxford University Press, Oxford, 2017)
5. Rakesh Kumar Singh: Textbook on Public International Law (Universal Law Publishing Co Pvt. Ltd., New Delhi, 2016)
6. S. R. A. Rosedar: *Public International Law* (Lexis Nexis, India, Gurugram, 2016)
7. V. K. Ahuja: *Public International Law* (LexisNexis India, Gurugram, 2016)
8. Jyoti Rattan & Dr. Vijay Rattan: *Public International Law*: *United Nations & Human Rights* (Bharat Law House, Jaipur, 2016)
9. V. S. Mani, S Bhat: *Recent Developments in International Space Law and Policy* (Lancer Books, New Delhi, 2015)
10. Ian Brownlie & James Crawford: *Brownlie's Principles of Public International Law* (Oxford University Press, Oxford, 2013)
11. Rashee Jain: *Textbook on Human Rights Law and Practice* (Universal Law Publishing Co Pvt. Ltd., New Delhi, 2013)
12. S. K. Verma: *An Introduction to Public International Law* (Satyam Law International, New Delhi, 2012)
13. Upendra Baxi: *The Future of Human Rights* (Oxford University Press, Oxford, 2012)
14. S. R. Myneni: *Human Rights* (Asia Law House, Hyderabad, 2012)
15. N. K. Jaya Kumar: *International Law and Human Rights* (LexisNexis India, Gurugram, 2011)
16. Ian Brownlie Guy S. Goodwin-Gill: *Brownlie's Documents on Human Rights* (Oxford University Press, Oxford, 2010)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Human Rights and International Order				Course Code: SL LAW 02 03 314 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: III**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The Course aims to institutionalize framework for cross-national professional collaboration and the exchange information. The further aim of the course is to deal constructively and in an orderly way with politically and legally complex issues even information on them is in complete.						
Course Outcomes	After the completion of this Course, the student would be able to: 1. Indicate ways of extending human rights practice and apply human rights theory to quickly evolving situation. 2. Demonstrate self-direction and originality in tackling and solving problems and in collecting and commenting on complex information. 3. Acquire an improved ability to conduct research on human right.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Role of the International organization of Human Rights, Universal Declaration of Human Rights, 1948, Covenant on Political and Civil Rights, 1966 Covenant on Economic, Social and Cultural Rights 1966, ILO, and other Conventions and Protocols dealing with Human Rights.	15
II	European Convention on Human Rights. European Commission on Human Rights. American Convention on Human Rights, African Convention on Human Rights.	15
III	International Commission of Human Rights- Amnesty International, Non-Governmental Organizations: United Nations, Division of Human Rights, International Labour Organization, UNESCO UNICEF, WTO, WFO	15
IV	National and State Human Rights Commissions- Role of International Court of Justice and Regional Institutions, International Criminal Courts and NGOs at the International level	15

SUGGESTED READINGS

1. Jack Donnelly & Daniel J. Whelan, *International Human Rights* (Routledge, 2020)
2. H.O. Agarwal, *International Law and Human Rights* (22nd ed., Central Law Publications, 2018)
3. H.O. Agarwal, *A Concise Book On International Law And Human Rights* (Central Law Publications, 2014)
4. Michael Haas, *International Human Rights: A Comprehensive Introduction*, (2nd ed., Routledge, 2013)
5. Philip Alston & Ryan Goodman Benedetto, *International Human Rights*,(Oxford University Press, 2013)
6. Micheal K. Addo, *International Law of Human Rights*, (Taylor & Francis Ltd, 2006)

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-IV

Sr. No	Course Nomenclature	Course Code Core	Lecture	Tutorial	Practical	Credit
1	Dissertation	SL LAW 02 04 401C 003015	0	0	30	15
2	International Environmental Law & Sustainable Development	SL LAW 02 04 402 C 4105	4	1	0	5
					Total Credits	**20**
Elective Course (s) **(The Student is required to opt the same One (01) group, out of the above Five (05) groups, which he/she has opted in 3rd Semester.)**						
1. Criminal Law						
1	Criminology	SL LAW 02 04 403 E 4004	4	0	0	4
2	Penology	SL LAW 02 04 404 E 4004	4	0	0	4
2. Business Law						
1	Law of Banking and Negotiable Instruments	SL LAW 02 04 405 E 4004	4	0	0	4
2	Law of Industrial and Intellectual Properties	SL LAW 02 04 406 E 4004	4	0	0	4
3. Constitution and Legal Order						
1	Constituonalism: Power of Judicial Review	SL LAW 02 04 407 E 4004	4	0	0	4
2	Federalism: Union-State Relations	SL LAW 02 04 408 E 4004	4	0	0	4
4. Family Law						
1	Law of Maintenance	SL LAW 02 04 409 E 4004	4	0	0	4
2	Hindu Law of Joint Family and Inheritance	SL LAW 02 04 410 E 4004	4	0	0	4
5. Human Rights Law						
1	International Humanitarian Law & Refugee Law	SL LAW 02 04 411 E 4004	4	0	0	4
2	Human Rights of Disadvantaged Groups: Problems and Issues in the Protection and Environment	SL LAW 02 04 412 E 4004	4	0	0	4
				Total Credits		**08**

<table>
<tr><td colspan="4">Course Name: DISSERTATION</td><td colspan="4">Course Code: SL LAW 02 04 401 C 003015</td></tr>
<tr><td rowspan="2">Session 2022-23 onwards</td><td rowspan="2">Programme: LL.M. (2 Year) Course</td><td rowspan="2">Semester: IV</td><td>L</td><td>T</td><td>P</td><td>Credit</td><td>Contact Hrs. per Week: 5</td></tr>
<tr><td>0</td><td>0</td><td>30</td><td>15</td><td>Total Hrs.: 75</td></tr>
<tr><td colspan="2">Total Evaluation Marks: 150</td><td colspan="6">Dissertation</td></tr>
<tr><td>Course Objectives</td><td colspan="7">The course aims to examine the current status of the contemporary socio-legal problems. The further aim of the course is to develop the habit of analytical and critical behavior about the research problem. The course also aims to study about the technique to reply the why, what, where, when and how about a situation/topic/problem.</td></tr>
<tr><td>Course Outcomes</td><td colspan="7">After the completion of this course, the student would be able to:
1. Gather, form and acquire critique knowledge from research studies.
2. Identify and investigate a research problem.
3. Apply an appropriate research design and associated methods rigorously.
4. Conduct the research project in an ethical fashion.</td></tr>
</table>

Course Name: International Environmental Law & Sustainable Development				Course Code: SL LAW 02 04 402 C 4105			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
			4	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The International Environmental Law (IEL) is a newly emerging branch of International Law.It focuses on the relations and agreements among nations to secure a healthy state of the Environment and guarantee sustainable and equitable use of Natural Resources. It intends to fix the liability for environmental pollution and degradation of natural resources. This course will introduce the structure of internati8onal environmental law and governance. Itaims to acquaint the students with the sources, principles, institutions and processes of IEL. This course will develop the students to critically examine the strategies for addressing the problem of environmental degradation by exposing them to various principles of environmentalism and environmental justice. It will expose the students to many environmental issues like Climate Change, Hazardous Waste Management, Biodiversity and others.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Examine critically the relevance of human rights and procedural rights to the development and implementation of international environmental law. **2.** Outline the historic development of international environmental law and to identify and describe its basic principles and rules.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Introduction and Challenges of International Environmental Law (IEL)** ➢ What is IEL? Nature and Scope ➢ International Environmental Problems, Causes and Legal Responses ➢ Sources of IEL: Treaties, Custom, General Principles, and Judicial Decisions; Hard Law and Soft Law ➢ Environmentalism and Environmental Justice ➢ Human Rights and Environment ➢ Environmental Politics: North vs South ➢ Environmental Crimes	20
II	**The Fundamental Principles of IEL** ➢ State Sovereignty ➢ Right to Development ➢ Common Heritage (The Global Commons) and Common Concern of Humankind(*Erga*	20

	Omnes) ➢ Inter-generational and Intra-generational Equity ➢ State Responsibility and Liability ➢ Obligation Not to Cause Environmental Harm ➢ Common But Differentiated Responsibilities ➢ The Polluter Pay Principle ➢ The Absolute Liability ➢ Good Neighbourliness- Duty to Cooperate and Duties to Provide Prior Notificationand to Consult in Good Faith ➢ Sustainable Development ➢ Right to Development ➢ Right to Clean, Healthy Environment ➢ Prevention Principle ➢ Precautionary Principle ➢ Duty to Assess Environmental Impact ➢ Public Participation	
III	**Sustainable Development: International Environmental Governance** ➢ State of Environmental Law Before the Stockholm (1972) ➢ Environmental Law and Policy from the Stockholm via Rio to Johannesburg and Beyond ➢ International Environmental Governance: UNEP and Multilateral Environmental Governance, International Environmental Institutions ➢ Resolution of Environmental Disputes	15
IV	**Some Issues of International Environmental Law** ➢ Global Climate Change and Human Rights: Montreal Protocol, The UNFCC, The Kyoto Protocol and the Paris Agreement; Cause, Consequences, Strategies and Problems ➢ Biodiversity and Human Rights: Convention on Biological Diversity and Cartagena Protocol on Biosafety; Biotechnology and Plant Genetic Resources; Trade in Endangered Species; Wetlands ➢ Hazardous and Radioactive Waste: The Basel Convention ➢ International Trade and the Environmental Protection ➢ War and Environment	20

SUGGESTED READINGS

1. David Hunter, James Salzman & Durwood Zaelk, *International Environmental Law and Policy Treaty Supplement: 2016 (University Casebook Series)*, (Foundation Press, 2016)
2. James R. May and Erin Daly, *Environmental Constitutionalism*: Two Volume Set (The International Library of Law and the Environment Series) (Edward Elgar Publishing Ltd., 2016)
3. Michael Bowman, Peter Davies and Edward Goodwin *Research Handbook on Biodiversity and Law* (Edward Elgar Publishing Ltd., 2016)
4. P Leelakrishnan, *Environmental Law in India* (Lexis Nexis, 2016)
5. Navroz K. Dubas, *Handbook of Climate Change and India: Development, Politics and Governance* (Routledge, 2015)
6. Pierre-Marie Dupuy and Jorge E. Viñuales, *International Environmental Law* (Cambridge University Press 2015)
7. Shawkat Alam, Sumudu Atapattu, Carmen G. Gonzalez and Jona Razzaque (eds.) *International Environmental Law and the Global South* (Cambridge University Press, 2015)
8. Alexander Gillespie, *International Environmental Law, Policy, and Ethics* (OxfordUniversity Press, UK 2014)
9. James Salzman & Barton Thompson Jr, *Environmental Law and Policy (Concepts and Insights)* (Foundation Press 4th Edition, 2013)
10. Ramin Jahanbegloo, *Talking Environment: Vandana Shiva in Conversation with Ramin Jahanbegloo* (Oxford University Press India, 2012)Christine Shearer, *Kivalina: A Climate Change Story* (Haymarket Books, 2011)
11. Thilo Marauhn and Ulrich Beyerlein, *International Environmental Law* (HartPublishing, 2011)
12. Daniel Bodansky, *The Art and Craft of International Environmental Law* (HarvardUniversity Press, 2010)
13. Cairo A. R. Robb, *International Environmental Law Reports Set: Volume 1-5*,(Cambridge University Press, 2009).
14. David Archer and Stefan Rahmstorf, *The Climate Crisis: An Introductory Guide toClimate Change* (Cambridge University Press, 2009)
15. David E. Newton, *Environmental Justice: A Reference Handbook* (ContemporaryWorld Issues) (ABC-CLIO, 2009)
16. Elli Louka, *International Environmental Law: Fairness, Effectiveness, and World Order* (Cambridge University Press, 2006)
17. John Kenneth Galbraith, 'The Affluent Society: Updated with a New Introduction' (Penguin, UK, 1999)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-I

Course Name: Criminology				Course Code: SL LAW 02 04 403 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The Course aims to exhibit the ability to apply criminological theory, research methods and appropriate technology to assess, evaluate and address issues in the practices of criminology. The course further aims to cultivate a fundamental commitment to ethical analysis, research and practice. The course also aims to enhance the ability of students to think critically and to speak and write effectively within the field.
Course Outcomes	After the completion of this Course, the student would be able to: **1.** Critically apply fundamental criminology principles to situations related to crime, criminal justice and related fields. **2.** Effectively communicate in writing and speaking in the presentation of ideas and their application to issues and situation related to criminology. **3.** Conduct a research study, grading suitable research questions, methodology and analysis to draw valid, ethical, empirically bases conclusion.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Definition, Nature and Scope of Criminology, Schools of Criminology, Classical School, Cartographic school, Socialistic School, Typological school- Italian or Positive School, Mental Testers School, Psychiatric School, Sociological School, Multifactor School	15
II	Sociological Theories of Criminal Behavior, Differential Social Organization, Crime and Social Processes, The Home and Family in relation to Crime	15
III	Collective Violence and Criminal Justice System, Violence –Nature and Kinds, Contributory Factors, Constitutional and Criminal Speech: Speech as Incitement to Violence, Terrorism – Location, Growth and Legal Response, Communal Violence in India, Violence against Depressed Classes, Violence against Women	15
IV	Privileged Class Deviance- concept of white-collar crime, Indian approaches to socio-economic offenses, Notions of privileged class deviance as providing a wider categorization of understanding Indian development, Typical terms of deviance i.e., Professional deviance,	15

	Police deviance, official deviance, Response of Indian Legal order to the Deviance of Privileged Classes	

SUGGESTED READINGS

1. Dr. S.S. Srivastava, *Criminology, penology and victimology* (1st ed., Central Law Agency, 2021)
2. N V Paranjape**,** *Criminology and Penology (including Victimology)* (18th ed., Central Law Publications**,** 2019**)**
3. Aida Y. Hass, Chris Moloney, William J. Chambliss, *Criminology: Connecting Theory, Research and Practice* (2nd ed., Routledge, 2017)
4. Walklate Sandra, *Criminology: The Basics* (3rd, Taylor & Francis Ltd, 2016)
5. B. Rao, *Criminology* (Discovery Publishing Pvt. Ltd, 2012)
6. Ram Ahuja, *Criminology,* (Rawat Publications, 2000)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Penology						Course Code: SL LAW 02 04 404 E 4004	
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The Couse is designed to introduce the students to the concepts of penology and acquaint them with the study of law from this perspective. The course also aims to provide to students an understanding of the theory of punishment, penal reforms, prison reforms etc.						
Course Outcomes	After the completion of this Course, the student would be able to: **1.** Understand the various dimensions of the various aspects of the Indian Law related to penology. **2.** Understand the various aspects of the Indian legal structure like that of the concept of plea-Bargaining, probation, Parole and Pardon. **3.** Demonstrate a theoretical and conceptual knowledge of penal laws and the various Indian Cases particularly in its application to real law problem.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit.Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Definition, nature and scope of Penology, Variation in Punitive Policies, Theories of Punishment	15
II	Capital Punishment ➢ Constitutionality of Capital Punishment ➢ Judicial Attitudes towards Capital Punishment ➢ Law Reform Proposals ➢ Retention or Abolition of Capital Punishment ➢ Approaches to Sentencing and Alternatives to Sentencing The Sentencing of offenders ➢ Kinds of Sentences ➢ Judicial Discretion in Sentencing Offenders ➢ Pre-sentence Hearing ➢ Habitual Offenders and Enhanced Punishment ➢ Summary Punishment ➢ Plea –Bargaining	15
III	Probation, Parole, Release from Prison, Pardon, Indeterminate Sentence, Good time Laws	15
IV	Prison System ➢ The State of India‘s Jails Today ➢ The Disciplinary Regime of Indian Prisons	15

	➢ Classification of Prisoners ➢ Rights of Prisoner and Duties of Custodial Staff ➢ Deviance by Custodial Staff ➢ Open Prisons ➢ Judicial Surveillance –Basis, Development Reforms ➢ Recidivism, Prevention of Crime	

SUGGESTED READINGS

1. Dr. S.S. Srivastava, *Criminology, penology and victimology* (1st ed., Central Law Agency, 2021)
2. N V Paranjape**,** *Criminology and Penology (including Victimology)* (18th ed., Central Law Publications**,** 2019**)**
3. J. P. S. Sirohi: *Criminology and Penology*, (Allahabad Law Agency, Allahabad, 2014)
4. Deepa Singh and K P Singh: *Criminology, Penology and Victimology*, (The Bright Law House, New Delhi, 2013)
5. S. M. A. Qadri: *Criminology, Penology and Victimology*, (Eastern Book Company, Lucknow, 2009)
6. Rajendra Kumar Sharma: *Criminology and Penology*, (Atlantic Publishers & Dist., New Delhi, 1998)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-II

Course Name: Law of Banking and Negotiable Instruments				Course Code: SL LAW 02 04 405 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
The Course Aims to	The course aims to equip students with skills to work as legal advisors to banking and financial Companies. Train students in identifying legal issues and challenges faced in the Banking sector that needs further research. Discuss and analyse important principles governing the Banking sector. Familiarize students with the working of the banking sector especially transactions that require legal assistance.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Draft arguments for and against Banking and Non-Banking Financial Companies. **2.** Undertake Research Projects related to Banking related laws and policies. **3.** Draft arguments in matters covering technology-related legal issues. **4.** Draft policies related to the banking sector.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Nature and Development of banking; Nationalization of Bank, Relationship of Banker and customer; Banking Business; Banker's Lien, Type of Accounts, Social control of Banking Institution, Banking Regulation Act,1949- Applicability to Banking Companies and Public Sector Banks, Business of Banking Companies, Control over Management; Prohibition of Certain Activities in Relation to Banking Companies Acquisition of the Undertaking of Banking Companies in certain cases, Winding up of Banking Companies, Special provision for speedy disposal of winding up proceedings, Banking Regulation Act as applicable to certain co-operative Banks	15
II	Reserve Bank of India Act,1934 - Purpose and scope, the organizational structure of RBI; Powers and Functions of RBI- Incorporation, Capital, Management and Business, Central Banking Business, Provision relating to non-banking institutions receiving deposits and Financial Institutions, Prohibition of Acceptance of deposits by unincorporated bodies, State Bank of India Act, 1955- Objectives and purposes, Incorporation and Share Capital of SBI, Establishment of SBI, Authorized Capital, Issued Capital, Management; Business of State	15

	Bank of India- State Bank as an agent of Reserve Bank, Business which SBI may or may not transact, Power of Acquisition of Business of other Banks	
III	The Negotiable Instruments Act- Purpose and object, Historical development of the law relating to Negotiable Instruments, Definition, kinds of negotiable instruments, promissory note, kinds of crossing and their effect, holder and holder in due course; payment in due course, inland and foreign instruments; Ambiguous instruments, Inland and Foreign instruments, Parties to Negotiable Instrument, Capacity to make, Maker, drawer and acceptor principal; Negotiable Instrument without consideration; the position of Minor, agency and Legal representative	15
IV	Negotiation and Liability, Negotiation and assignment; Negotiation by delivery and by Indorsement; Kinds of Indorsement- Indorsement in blank and Indorsement in full, restrictive Indorsement, Indorsement sans recourse, conditional Indorsement, Partial. Indorsement, Liability of Parties- Liability of acceptor, maker, drawer, Drawee, Discharge from liability by cancellation, delay in presenting material alternation, negotiation back, allowing more than 48 hours to accept; Presentation for acceptance and payment, presentment to agent, etc, Time and place of presentment, when presentment unnecessary, Dishonour and notice of dishonour, noting and protests, Acceptance and payment for honour and reference in case of need, Special rules of evidence- Presumptions and estoppel, penalties for the dishonour of certain cheques for insufficiency of funds in the account	15

SUGGESTED READINGS

1. Avtar Singh, *Banking and Negotiable Instruments* (Eastern Book Company, 2018)
2. Surendra Malik And Sudeep Malik, Supreme Court on Dishonour of Cheques And Negotiable Instruments (1950-2016) (Eastern Book Company, 2016)
3. A. B. Srivastava and K. Elumalai: *Seth's Banking Law*, (Law Publisher's India (P) Limited, Allahabad, 2014)
4. M. L. Tannan (Revised by C. R. Datta & S. K. Kataria): *Banking Law and Practice*, (LexisNexis India, Gurugram, 2012)
5. R. K. Gupta: Banking: *Law and Practice*, (Modern Law Publications, Allahabad, 2011)
6. Prof. Clifford Gomez: *Banking and Finance-Theory, Law and Practice*, (PHI Learning Private Limited, New Delhi, 2011)
7. L. C. Goyle: Law of Banking and Bankers, (Eastern Law House, New Delhi, 2010)
8. Lord Chorley and P. E. Smart: Leading Case in the Law of Banking, (Bharat Law House, New Delhi, 1990)
9. Herbert P. Sheldon: Practice and Law of Banking, (Macdonald & Evans Ltd., United Kingdom, 1972)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Law of Industrial and Intellectual Properties				Course Code: SL LAW 02 04 406 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The process of globalization and liberalization have brought considerable awareness towards improving the competitive process in developing economies such as India. Until recently most the developing countries operated without a structured competition policy, and have justified the intervention by the state over economic activities. India owing to its WTO obligations enacted Competition Act, 2002. The course seeks to provide fundamentals of the market economy and extensive knowledge of the application of competition policy in India.
Course Outcomes	After the completion of this course, the student would be able to: **1.** To provide students with an understanding of Competition law, together with the ability to subject it to critical, legal and economic analysis. **2.** To apply Competition Law principles to the given cases. **3.** Rationalize and suggest solutions to the fundamental issues of competition law. **4.** To identify anti-competitive agreements and suggest remedies. **5.** To explain pricing strategies and abuse of dominant position. **6.** To analyze and apply economic theory and the COMPAT/NCLAT to determine and resolve complex Competition Law issues legal requirements of CCI.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Meaning and concept of Intellectual property; National and International protection of intellectual property, an overview of TRIPS Agreement, WTO and WIPO, Paris Convention for Protection of Industrial Property, The Trade Marks Act, 1999- Object and scope of the Act; The concepts of the mark, trademark, registered trademark; certification trademark, deceptively similar mark; goods and services. Registration of trademark- conditions for registration; procedure for registration and Duration of registration; fact of Registration, Assignment and Transmission of registered trademark and unregistered trademark; Infringement of trademark and remedies	15
II	Object and purpose of Copyright Law, International Conventions on Copyright; Berne Convention, WIPO Copyright Convention and Phonogram Treaty, The Copyright Act, 1957 with the latest Amendments, Object and Scope of the Act; The concept of author, work, literary work, artistic work, musical work, Cinematography film, work of sculpture,	15

	reprography, computer programmer, copyright and adaptation Copyright office, Term of copyright, Registration of copyright, infringement of copyright and remedies	
III	Object and purpose of Patent Law; the value of patent system; the International character of patents, Advantage of Patent to Inventor; Rights and obligations of parental, The Patents Act,1970 with the latest amendments- Object and scope of the Act; Concept of patent, invention, patented article and patented process. Registration of patents; inventions not patentable' infringement of patents and remedies.	15
IV	Industrial Design and Geographical Indications- Scope and purpose, the subject matter of protection, The Design Act, 2000- Object and scope of the Act, Concept of design, proprietor of a new or original design; Registration of Design; Copyright in a registered design, piracy of Designs and remedies, Geographical Indications of Goods Act, 2002- object and scope of the Act; concept of Geographical Indications; conditions for registration; procedure and duration of Registration, Effect of Registration	15

SUGGESTED READINGS

1. S. R. Myneni: *Law of Intellectual Property Rights in Pharma Industry* (Asia Law House, Hyderabad, 2019)
2. S. Venkateswaran: *The Law of Trade Marks and Passing-off* (LexisNexis, Gurugram, 2018)
3. P. Narayanan: *Copyright and Industrial Designs* (Eastern Law House, Calcutta, 2017)
4. P. Narayanan: *Patent Law* (Eastern Law House, Calcutta, 2017)
5. V. K. Ahuja: *Intellectual Property Rights in India* (Lexis Nexis, Gurugram, 2017)
6. Mathew Thomas: *Understanding Intellectual Property* (Eastern Book Company, Lucknow, 2013)
7. David Bainbridge: *Intellectual Property* (Pearson Education, Delhi, 2012)
8. Dr. B. L. Wadehra: *Law relating to Patents, Trademarks, Copyright, Design and Geographical Indications* (Universal Law Publishing Co. Ltd., New Delhi, 2011)
9. Paul Torremans: *Holyoak & Torremans-Intellectual Property Law* (Oxford University Press, New York, 2010)
10. Ashwani Bansal: *Law of Trade Marks in India with an introduction to Intellectual Property Laws* (Institute of Constitutional and Parliamentary Studies, New Delhi, 2009)
11. Alka Chawla: *Copyright and Related Rights: National and International Perspectives* (Macmillan India Ltd., Delhi, 2007)
12. P. Narayanan*: Intellectual Property Law in India* (Gogia Law Agency, Hyderabad, 2007)
13. Elizabeth Verkey: *Law of Patent* (Eastern Book Company, Lucknow, 2005)
14. Latha R. Nair & Rajendra Kumar: *Geographical Indications*: *A Search for Identity* (LexisNexis India, Gurugram, 2005)
15. W. R. Cornish: *Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights* (Universal Law Publishing Co. Pvt. Ltd., Delhi, 2003)
16. P. Narayanan: *Intellectual Property Law* (Eastern Law House, Calcutta, 2001)
17. Catherine Colston: *Principles of Intellectual Property Law* (Sweet & Maxwell, London, 1999)
18. Hilary Pearson & Clifford Miller: *Commercial Exploitation of Intellectual Property* (Blackstone Press, London, 1990)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-III

Course Name: Constitutionalism: Power of Judicial Review				Course Code: SL LAW 02 04 407 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The aim of this course is to highlight jurisprudence of the constitution and involve students to participate in socio-political and constitutional matters. To focus on the emerging constitutional issues and to examine how far a goal of Constitutionalism are being achieved inthe Indian Legal System and what are the challenges to Constitutionalism in the ContemporaryIndian Society.
Course Outcomes	After the completion of this Course, the student would be able to: 1. Understand and interpret constitution to address the emerging complex issues. 2. Explore the various functional theories, doctrines and Constitutional principles working in the backdrop and its interplay with the emerging issues. 3. Examine the boundaries, limitations of Constitution from different perspectives.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Concept of Constitutionalism** ➢ Common-Law ➢ Indian Concept: Before Independence ➢ Present Constitutionalism **Independence of Judiciary** ➢ The doctrine of Separation of Powers ➢ Rule of Law ➢ Independence of Judiciary in India **Judiciary in India** ➢ Appointment of Judges ➢ Jurisdiction and Powers of the Supreme Court and the High Court	15
II	**Power of Judicial Review** ➢ Supremacy of the Constitution ➢ The doctrine of Ultra Vires	15

	➢ Judicial Review of Constitutional Amendments. Legislations, Administrative Actions **Writ Jurisdiction** ➢ Articles 32 and 226 ➢ General Conditions, Particular Writs	
III	**Expanding Dimensions of Fundamental Rights** ➢ Public Interest Litigation ➢ Definition of State Action ➢ Judicial Review of Discretion ➢ Judicial Activism	15
IV	**Exclusion of judicial Review** ➢ Political Questions ➢ Express exclusion by the Constitution ➢ Judicial Self-restrain **Courts and Tribunals** ➢ Subordinate Judiciary ➢ Tribunals	15

SUGGESTED READINGS

1. Durga Das Basu: *Introduction to the Constitution of India*, (LexisNexis, India, 2019)
2. M.C. Jain Kagzi: *The Constitutional of India* (India Law House, New Delhi, 2019)
3. Durga Das Basu: *Shorter Constitution of India* (Prentice-Hall of India, New Delhi, 2018)
4. M. P. Jain*: Indian Constitutional Law* (LexisNexis, Gurugram, 2018)
5. V. N. Shukla: *Constitution of India* (Eastern Book Company, Lucknow, 2017)
6. Prof. M. P. Singh: *V.N. Shukla's Constitution of India* (Eastern Book Company, Lucknow, 2017)
7. M. V. Pylee: *Constitutional Amendments in India* (Universal Law Publishing Co. Pvt. Ltd, New Delhi, 2017)
8. H. M. Seervi: *Constitutional Law of India* (Universal Law Publishing Co. Pvt. Ltd, 2015)
9. J. N. Pandey: *Constitutional Law of India* (Central Law Agency, Allahabad, 2014)
10. M. V. V. Ramana: *Inter-State River Water Disputes in India* (Orient Blackswan Private Limited, New Delhi, 2009)
11. Elizabeth Giussani: *Constitutional and Administrative Law* (Sweet & Maxwell, London, 2008)
12. Jagdish Swarup: *Constitution of India* (Modern Publications, New Delhi, 2006)
13. Shibanikinkar Chaube: *Constituent Assembly of India* (Manohar Publishers & Distributors, New Delhi, 2002)
14. Zoya Hasan & E. Sridharan (eds.*): India's Living Constitution: Ideas, Practices, Controversies* (Permanent Black Publishers, Delhi, 2002)
15. M.V. Pylee: *Our Constitution Government & Politics* (Universal Law Publishing Co. Pvt. Ltd., New Delhi, 2000)
16. P. D. Mathew: *Fundamental Rights in Action* (Indian Social Institute, New Delhi, 1996)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Federalism: Union-State Relations				Course Code: SL LAW 02 04 408 E 4004			
Session Session 2022-23 onwards	**Programme: Programme: LL.M. (2 Year) Course**	**Semester: Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The course aims at giving the students an insight into the federal structure as envisaged in the constitution of India and focusing upon the educating them about the legislative, administrative and financial relation between the center and the state. The course also helps the students to understand the principles of interpretation of various lists and the doctrines in relation there to.
Course Outcomes	After the completion of this course, the student would be able to: 1. Understand the dynamics of Centre State Relations in India. 2. Understand why India is a holding' together federation. 3. Understand the division of powers among different levels of government in India. 4. Know the contents of the Union, State and Concurrent list. 5. Analyse different kinds and practices of federalism. 6. Explain the institutions which binds both Centre and State. 7. Interpret the administrative proximity of Centre and State.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit.Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Classical Federalism- USA, Australia, Canada, Co-operative Federalism, Essential Conditions of Federalism **States of the Union** ➢ Creation New States ➢ No guarantee of territorial integrity ➢ State Autonomy	15
II	**Legislative and Administrative Relations** ➢ Distribution of Legislative Powers ➢ Principles of Interpretation, Residuary power, Dominance of the Union Power	15
III	**Financial Relations** ➢ Distribution of Taxes. ➢ Tax sharing under the Constitution ➢ Finance Commission ➢ The doctrine of Immunity of Instrumentalities **Inter-State Trade and Commerce** ➢ Freedom of Trade and Commerce	15

	➢ Restriction on the Freedom ➢ Authority to regulate Trade and Commerce	
IV	**National Economy** ➢ Need for Regulation and Development of National Economy ➢ Planning Commission **Review of Union-State Relations** ➢ Need for Review ➢ Recommendation of Sarkaria Commission **Special Status of some States** ➢ State of J&K (Article 370) ➢ Other States	15

SUGGESTED READINGS

1. Durga Das Basu: *Introduction to the Constitution of India*, (LexisNexis, India, 2019)
2. M. P. Jain*: Indian Constitutional Law* (LexisNexis, Gurugram, 2018)
3. V. N. Shukla: *Constitution of India* (Eastern Book Company, Lucknow, 2017)
4. M. V. Pylee: *Constitutional Amendments in India* (Universal Law Publishing Co. Pvt. Ltd, New Delhi, 2017)
5. H. M. Seervi: *Constitutional Law of India* (Universal Law Publishing Co. Pvt. Ltd, 2015)
6. V.M. Dandekar: *Unitary Elements in a Federal Constitution* (22 *E.P.W.* 1865, 1988)
7. Upendra Baxi: *Law, Democracy and Human Rights* (5 *Lokayan Bulletin* 4, 1987).
8. Rajeev Dhavan, " The Press and the Constitutional Guarantee of Free Speech and Expression" 28 *J.I.L.I.* 299, (1986)
9. M.A. Fazal, "Drafting A British Bill of Rights" 27 *J.I.L.I.* 423 (1985)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-IV

Course Name: Law of Maintenance				Course Code: SL LAW 02 04 409 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The course is designed in such a way that it covers legal aspects of family law like maintenance under various religions. Further, the course aims to cover the issues relating to protection of rights of women regarding divorce.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand the legal or statutory provisions relating to maintenance. **2.** Solve the inter-religion disputes relating to maintenance. **3.** Solve the problem of maintenance in case of inter religion marriages.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Concept of Maintenance, Maintenance Under- The Hindu Marriage Act, 1955, (With latest Amendments),The Hindu Adoption and Maintenance Act, 1956 (With latest Amendments)	15
II	Maintenance Under Chapter IX (Ss 125 to 128) of the Criminal Procedure Code, 1973, Maintenance Under- The Parsi Marriage and Divorce Act, 1936	15
III	Maintenance under The Divorce Act, 1869, (With latest Amendments), Muslim Law of Maintenance: The Muslim Women (Protection of Rights on Divorce) Act, 1986 (With latest Amendments)	15
IV	Maintenance under The Special Marriage Act, 1954, (With latest Amendments), Maintenance under The Welfare of Parents and Senior Citizens Act, 2007 (With latest Amendments)	15

SUGGESTED READINGS

1. Kusum, *Family Law Lectures-Family Law I* (LexisNexis India, Gurugram, 2019)
2. Paras Diwan & Peeyushi Diwan: *Family Law* (Allahabad Law Agency, Faridabad, 2018)
3. M. A. Qureshi: *Muslim Law* (Central Law Publication, Allahabad, 2018)
4. Poonam P. Saxena: *Family Law Lectures-Family Law II* (LexisNexis India, Gurugram, 2018)
5. G.V. Subba Rao & Dr. Vijender Kumar: *G. C. V. Subba Rao's Family Law in India* (S Gogia & Company, Hyderabad, 2018)
6. B.R. Verma: *Commentaries on Mohammedan Law in India, Pakistan and Bangladesh* (Law Publishers (India) Pvt. Ltd., Allahabad, 2017)
7. Kahkashan Y. Danyal: *Muslim Law of Marriage, Dower, Divorce and Maintenance* (Regal Publications, New Delhi, 2015)
8. Flavia Agnes, Family Law: *Volume 2: Marriage, Divorce and Matrimonial Litigation*, Oxford University Press, 2012)
9. Flavia Agnes, Law, Justice and Gender: *Family Law and Constitutional Provisions in India* (Oxford University Press, 2011)
10. Paras Diwan: *Law of Marriage and Divorce* (Universal Law. Publishing Co. Pvt. Ltd., New Delhi, 2011)
11. Kumud Desai: *Law of Marriage and Divorce* (N.M. Tripathi Pvt. Ltd., Bombay,1982)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Hindu Law of Joint Family and Inheritance				Course Code: SL LAW 02 04 410 E 4004			
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week:4**
			4	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The course aims to highlight the institution of family under Hindu Law. The course also aims to cover the importance of family law. Family is the basic unit of Indian society. Family members lived together with certain rights and duties towards each other as well as towards society. The subject of Hindu law is important to understand those rights obligations. The subject is also important to understand the various reliefs in family disputes.
Course Outcomes	After the completion of this course, the student would be able to: 1. Prepare himself/herself for the judicial services. 2. Prepare himself/herself for various other competitive examinations. 3. Perform better in family matters as practicing lawyers. 4. Get familiarize with the process of Mediation and conciliation of family disputes.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Mitakshara Joint Family, Mitakshara Coparcenary, its formation and incidents, Classification of Property under Mitakshara, Coparcenary Property, Separate Property, Dayabhaga Coparcenary, Its Formation and Incidents, Concept of Property under Dayabhaga Law, Karta of the Joint Family, his Position, Powers, Privileges and Obligations, Alienation of Property, Separate Property, Coparcenary Property, Partition- Subject Matter of Partition, Indivisible Properties, Deductions and Provisions	15
II	Persons who have a right to partition and are entitled to a share, Persons who are Entitled to a Share if Partition takes place, How Partition is Effected- Severance of Joint Status or Interest, Mode of Partition, Division of Property by Metes and Bounds, Taking of Accounts, Rules Relating to Division of Property, Re-opening of Partition, Re-union	15
III	The Hindu Succession Act, 1956, Application of the Act, Definitions, Overriding Effect of Act, Intestate Succession, Devolution of Interest in Coparcenary Property, Succession to Property of a Hindu Male Dying Intestate, Concept of Women's Property, Succession of the Property of a Hindu Female Dying Intestate,	15
IV	General Rules of Succession, Special Provisions Respecting Dwelling Houses, Disqualifications Relating to Succession, Class I Heirs, Class II Heirs, Escheats, Testamentary Succession (Under the Hindu Succession Act, 1956) (Sec. 30)	15

SUGGESTED READINGS

1. Basant K. Sharma: *Hindu Law* (Central Law Publications, Allahabad, 2020)
2. Kusum, *Family Law Lectures-Family Law I* (LexisNexis India, Gurugram, 2019)
3. G.V. Subba Rao & Dr. Vijender Kumar: *G. C. V. Subba Rao's Family Law in India* (S Gogia & Company, Hyderabad, 2018)
4. Paras Diwan & Peeyushi Diwan: *Family Law* (Allahabad Law Agency, Faridabad, 2018)
5. Poonam P. Saxena: *Family Law Lectures-Family Law II* (LexisNexis India, Gurugram, 2018)
6. S. R. Myneni: *Hindu Law (Family Law I)* (Asia Law House, Hyderabad, 2017)
7. B. M. Gandhi: *Hindu Law* (Eastern Law Agency, Allahabad, 2016)
8. Kahkashan Y. Danyal: *Muslim Law of Marriage, Dower, Divorce and Maintenance* (Regal Publications, New Delhi, 2015)
9. U. P. D. Kesri: *Modern Hindu Law* (Central Law Publications, Allahabad, 2015)
10. Satyajeet A. Desai: *Mulla's Principles of Hindu Law, Vol. I & II* (LexisNexis, Gurugram, 2013)
11. Flavia Agnes, Law, Justice and Gender: *Family Law and Constitutional Provisions in India* (Oxford University Press, 2011)
12. Paras Diwan: *Law of Marriage and Divorce* (Universal Law. Publishing Co. Pvt. Ltd., New Delhi, 2011)
13. Kumud Desai: *Law of Marriage and Divorce* (N.M. Tripathi Pvt. Ltd., Bombay,1982)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Elective Course (s)
Group-V

<table>
<tr><td colspan="4">Course Name: International Humanitarian Law & Refugee Law</td><td colspan="4">Course Code: SL LAW 02 04 411 E 4004</td></tr>
<tr><td rowspan="2">Session 2022-23 onwards</td><td rowspan="2">Programme: LL.M. (2 Year) Course</td><td rowspan="2">Semester: IV</td><td>L</td><td>T</td><td>P</td><td>Credit</td><td>Contact Hrs. per Week: 4</td></tr>
<tr><td>4</td><td>0</td><td>0</td><td>4</td><td>Total Hrs.: 60</td></tr>
<tr><td colspan="3">Total Evaluation Marks: 100
CIE: 30 Marks
TEE: 70 Marks</td><td colspan="5">Examination Duration: 3 Hrs.</td></tr>
<tr><td>Course Objectives</td><td colspan="7">The United Nations Charter prohibits the threat or use of force by the Sates except in self- defense however the armed conflicts and war are the realities of our times. International Humanitarian Law (IHL) seeks, for humanitarian reasons, to limit the effects of armed conflict.It protects persons who are not or are no longer participating in the hostilities and restricts themeans and methods of warfare. International humanitarian law is also known as the Law of War or the Law of Armed conflict. War and armed conflicts are the factors that create the problem of refugees. This course aims to give students an understanding of the evolution of the IHL, its convergencewith other branches of international law, the interplay between treaties, customary law and other sources. It introduces basic principles of IHL like-the Principle of Distinction between civilianand military objects, the Principle of Proportionality and the Principle of Military Necessity, and the Protection of Hors de Combat, etc. It aims to enable the students to find out the way of extending and strengthening the application of IHL to new conflict situations of mix characterslike the international war against terrorism, extra-territorial use of drone missiles and unmanned aircraft, pre-emptive self-defense, non-international armed conflicts (internalized in character), occupation without the physical presence of armed forces, self-determination movements within democratic nation-States, etc. Further, this course intends to equip the students with the awareness of the various problems ofrefugees and inspire them to critically evaluate the international conventions and national legislation.</td></tr>
<tr><td>Course Outcomes</td><td colspan="7">After the completion of this course, the student would be able to:
1. Critically examine the concept and purpose of IHL and Refugee law.
2. Familiarise with the basic concepts and nature of IHL and Refugee law.
3. Familiarise with historical development and legal basic of IHL and Refugee law.
4. Identify various solutions to legal problems at hand and in addition, apply the relevant international law norms.</td></tr>
<tr><td colspan="8">COURSE SYLLABUS</td></tr>
<tr><td colspan="8">NOTE:
1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.</td></tr>
<tr><td>Unit No.</td><td colspan="6">Contents</td><td>Contact Hrs.</td></tr>
</table>

I	**Introduction and History of IHL** ➢ Historic Context, the law of Geneva and law of Hague, Definition of IHL ➢ Convergence With International Law of Human Rights, International Criminal law, and Public International Law ➢ Sources of IHL: Treaties, Custom, General Principle of Humanity (Marten Clause)	15
II	**Application and basic Principles of IHL** ➢ *Jus in bello* and *Jus contra bellum* ➢ Definition of Armed Conflicts and Classification of Conflicts: War, International Armed Conflicts (Armed Struggle for Self Determination, and Occupation) and Non-International Armed Conflicts; New Emerging Conflict Situations of mixed character ➢ the Principle of Distinction between Civilian and Military Objects, the Principle of Proportionality and the Principle of Military Necessity ➢ The Legal Control of Weapons	15
III	**Protection under IHL and its Enforcement** ➢ Protection of Victims of War- Hors de combat (Wounded, Sick, Shipwrecked), Prisoners of War and Civilians ➢ Protection for Civilians Under the Occupied Territories ➢ Protection of Cultural Property and the Environment ➢ The Command Responsibility ➢ Role of the International Committee of the Red Cross in the Implementation of IHL	15
IV	**Protection of Refugees** ➢ Definition of refugees and displaced persons - their problems, determination of Refugee Status under the Refugee Convention of 1951 and Protocol of 1967 ➢ the principle of Non-refoulement and the Right to Asylum ➢ Human Rights of the Refugees ➢ Strategies to combat refugee problem: Resettlement in Third Country, Local Integration & Rehabilitation, Voluntary or Forced Repatriation and other responses ➢ Protection of Refugee: under International Law and National Law, the Role of UNHCR Protection of Refugees and Indian Experience & Policy	15

SUGGESTED READINGS

1. Laurie R. Blank & Gregory P. Noone, *International Law and Armed Conflict: Fundamental Principles and Contemporary Challenges in the Law of War* (Wolters Kulwer 2016).
2. Andrew Clapham & Paola Gaeta, *The Oxford Handbook of International Law in ArmedConflict* (Oxford Handbooks, OUP Oxford (2014).
3. Arnold Krammer, *War Crimes, Genocide, and the Law A Guide to the Issues* (Praeger 2010)
4. Gary D. Solis, *The Law of Armed Conflict IHL in War* (Cambridge University Press 2010).
5. Eric A.Heinze, *Waging Humanitarian War: Ethics, Law and Politics of Humanitarian Intervention* (SUNY Press: State University of New York Press 2009).
6. Ian Henderson, *The Contemporary Law of Targeting: Military Objectives, Proportionality and Precautions in Attack under Additional Protocol* (Martinus Nijhoff Publishers 2009).
7. Howard M. Hensel, *The Legitimate Use of Military Force The Just War Tradition andthe Customary Law of Armed Conflict* (Ashgate 2008).
8. larry May, *Aggression and Crimes against Peace* (Cambridge University Press 2008)
9. Frits Kalshoven, *Reflections on the Law of War Collected Essays* (Martinus Nijhoff Publishers, Leiden & Boston 2007).
10. Wolff Heintschel von Heinegg Volker (IHL Facing New Challenges Symposium in Honour of Knut Ipsen) (Springer 2007).
11. Michael N. Schmitt and Jelena Pejic, *International Law and Armed Conflict: Exploringthe Faultlines Essays in Honour of Yoram Dinstein* (Martinus NIjhoff Publishers Leiden-Boston 2007).
12. Norbert Ehrenfreund, *The Nuremberg Legacy How the Nazi War Crimes Trials Changedthe Course of History* (Palgrave Macmillan 2007)
13. Thierr y Cruvellier, *Court of Remorse Inside the International Criminal Tribunal forRwanda* (The University of Wisconsin Press 2006)
14. Ustinia Dolgopol & Judith Garden, *The Challenge of Conflict: International Law Responds* (Martinus Nijhoff Publishers 2006).
15. Rachel Kerr, *The International Criminal Tribunal for the Former Yugoslavia AnExercise in Law, Politics, and Diplomacy* (Oxford University Press 2004)
16. Knut Dormann, *Elements of War Crimes under the Rome Statute of the InternationalCriminal Court: Sources and Commentary* (Cambridge University Press 2004 /ICRC)
17. Yusuf Aksar *Implementing International Humanitarian Law From The Ad Hoc Tribunals to a Permanent International Criminal Court* (Routledge Taylor & Francis Group, London & New York 2004).
18. Frits Kalshoven and Liesbeth Zegveld, *Constraints on The Waging Of War: An Introduction to International Humanitarian Law* (ICRC (2001).

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: Human Rights of Disadvantaged Group: Problems and Issues in the Protection and Environment							Course Code: SL LAW 02 04 412 E 4004
Session 2022-23 onwards	**Programme: LL.M. (2 Year) Course**	**Semester: IV**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
			4	**0**	**0**	**4**	**Total Hrs.:60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The course aims for depth insight into the constitutional, statutory and institutional aspects of human right protection of disadvantaged groups. Further, the course aims to cover constitutional provisions dealing with human rights and special legislations dealing with protection of vulnerable and marginalized groups.
Course Outcomes	After the completion of this course, the student would be able to: 1. Display a good understanding of the nature and scope of special legislations dealing with protection of human rights of marginalised and vulnerable sections. 2. Analyze complex human right problems and apply relevant provisions of human right law in India dealing with disadvantaged group. 3. Demonstrate a good understanding of the practical application of human rights to specific human rights problem and issues in the protection of human rights.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Concept of Disadvantaged Groups: Bonded Labour system, slavery and their abolition. Senior citizens and Human Rights; Independence of aged persons, community care, Laws relating to their life, dignity and health care with special reference to aged persons in India	15
II	Emerging Human Rights Jurisprudence and the role of the judiciary; Rights of Women. Rights of the child. Rights of Prisoners. Rights of Dalits, the tribal and other indigenous people	15
III	The mentally ill, The stateless persons, The unorganized labour, Aids victims, Rights of Minorities	15
IV	Enforcement of Human Rights; protection laws of the Disadvantaged groups; problems and issues Future perspectives of the Human Rights of the Disadvantaged	15

SUGGESTED READINGS

1. Rhona K. M. Smith: *Textbook on International Human Rights* (Oxford University Press, Oxford, 2019)
2. H. O. Agarwal: *A Concise book on International Law and Human Rights* (Central Law Publications, Allahabad, 2017)
3. S. K. Kapoor: *Human Rights under International Law & Indian Law* (Central Law Agency, Allahabad, 2017)
4. Richard Stone: *Textbook on Civil Liberties & Human Rights* (Oxford University Press, Oxford, 2017)
5. Rakesh Kumar Singh: Textbook on Public International Law (Universal Law Publishing Co Pvt. Ltd., New Delhi, 2016)
6. Rashee Jain: *Textbook on Human Rights Law and Practice* (Universal Law Publishing Co Pvt. Ltd., New Delhi, 2013)
7. Upendra Baxi: *The Future of Human Rights* (Oxford University Press, Oxford, 2012)
8. S. R. Myneni: *Human Rights* (Asia Law House, Hyderabad, 2012)
9. N. K. Jaya Kumar: *International Law and Human Rights* (LexisNexis India, Gurugram, 2011)
10. Ian Brownlie Guy S. Goodwin-Gill: *Brownlie's Documents on Human Rights* (Oxford University Press, Oxford, 2010)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Annexure-XX

CENTRAL UNIVERSITY OF HARYANA

(*Established under the Central Universities Act, 2009*)

(NAAC Accredited 'A' Grade)

CBCS, LOCF and NEP, 2020 Based

Curriculum and Syllabi Of

LL.B. (3 Year) Professional Course

(W.e.f. 2022-23 Onwards)

DEPARTMENT OF LAW
SCHOOL OF LAW

Approved by:	BOS	School Board	Academic Council
Approval Status:	√	√	x or √
Approval Date:	27/08/2021	05/05/2022	?

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2	**PROGRAMME OUTCOMES (POs)**	
3	**PROGRAMME SPECIFIC OUTCOMES (PSOs)**	
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5	**STRUCTURE OF LL.B. (3 Year) Professional Course**	
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VISION AND MISSION

i) Vision and Mission of University

Vision

To develop enlightened citizenship of a knowledge society for peace and prosperity of individuals, nation and the world, through the promotion of innovation, creative endeavours, and scholarly inquiry.

Mission

To serve as a beacon of change, through multi-disciplinary learning, for creation of a knowledge community, by building a strong character and nurturing value-based transparent work ethics, promoting creative and critical thinking for holistic development and self-sustenance for the people of India. The University seeks to achieve this objective by cultivating an environment of excellence in teaching, research and innovation in the main field and applied areas of learning.

ii) Vision and Mission of Department

Vision

To establish a world-class teaching and research reputation of the department that contributes to society through its innovative, creative and scholarly approach.

Mission

To educate the students by adopting the highest academic and professional standards to meet the global competency in the field of Legal education. To establish and maintain a high quality of support, research facilities, multidisciplinary and skill-based learning opportunities for our staff, students and researchers to orient them to world-class creative and innovative minds.

iii) Mapping of Vision and Mission

Vision and Mission of the University	Vision and Mission of the Department
To develop enlightened citizenship of a knowledge society for peace and prosperity of individuals, nation and the world, through the promotion of innovation, creative endeavours, and scholarly inquiry.	**Yes**
To serve as a beacon of change, through multi-disciplinary learning, for the creation of a knowledge community, by building a strong character and nurturing value-based transparent work ethics, promoting creative and critical thinking for holistic development and self-sustenance for the people of India.	**Yes**
The University seeks to achieve its objectives by cultivating an environment of excellence in teaching, research and innovation in the main field and applied areas of learning.	**Yes**

1. BACKGROUND

i) NEP-2020 and LOCF: An Integrated Approach

Considering the curricular reforms as instrumental for desired learning outcomes, all the academic departments of the Central University of Haryana have made a rigorous attempt to revise the curriculum of undergraduate and postgraduate programmes in consonance with the National Education Policy, 2020 and UGC Quality Mandate for Higher Education Institutions, 2021. The process of revising the curriculum could be prompted by the adoption of the "Comprehensive Roadmap for Implementation of NEP, 2020" in the 32nd meeting of the Academic Council of the University held on April 23, 2021. The Roadmap identified the key features of the Policy and elucidated the Action Plan with well-defined responsibilities and an indicative timeline for major academic reforms.

The process of revamping the curriculum started with a series of webinars and discussions conducted by the University to orient the teachers about the key features of the Policy, enabling them to revise the curriculum in sync with the Policy. The proper orientation of the faculty about the vision and mission of NEP, 2020 made it easier for them to appreciate and incorporate the vital aspects of the Policy in the revised curriculum focused on 'creating holistic, thoughtful, creative and well-rounded individuals equipped with the key of 21st-century skills for the 'development of an enlightened, socially conscious, knowledgeable, and skilled nation'.

With NEP, 2020 in background, the revised curricula articulate the spirit of the policy by emphasising upon an integrated approach to learning; innovative pedagogies and assessment strategies; multidisciplinary and cross-disciplinary education; creative and critical thinking; ethical and Constitutional values through value-based courses; 21st century capabilities across the range of disciplines through life skills, entrepreneurial and professional skills; community and constructive public engagement; social, moral and environmental awareness; Organic Living and Global Citizenship Education (GCED); holistic, inquiry-based, discovery-based, discussion-based, and analysis-based learning; exposure to Indian knowledge system, cultural traditions and classical literature through relevant courses offering 'Knowledge of India'; fine blend of modern pedagogies with indigenous and traditional ways of learning; flexibility in course choices; student-centric participatory learning; imaginative and flexible curricular structures to enable creative combination of disciplines for study; offering multiple entry and exit points initially in undergraduate programmes; alignment of Vocational courses with the International Standard Classification of Occupations maintained by the International Labour Organization; breaking the silos of disciplines; integration of extra-curricular and curricular aspects; exploring internships with local industry, businesses, artists and crafts persons; closer collaborations between industry and higher education institutions for technical , vocational and science programmes; and formative assessment tools to be aligned with the learning outcomes, capabilities, and dispositions as specified for each course. In the case of UG programs in Engineering and Vocational Studies, it was decided that the

University Teaching Departments shall incorporate pertinent NEP recommendations while complying with AICTE, NBA, NSQF, International Standard Classification of Occupations, Sector Skill Council and other relevant agencies/sources. The University has also developed a consensus on the adoption of Blended Learning with 40% component of online teaching and 60% face-to-face classes for each program.

The revised curricula of various programmes could be devised with concerted efforts of the faculty, Heads of the Departments and the Deans of Schools of Study. The draft prepared by each University Teaching Department was discussed in a series of discussion sessions conducted at the Department, School and University levels. The leadership of the University has been a driving force behind the entire exercise of developing the uniform template and structure for the revised curriculum. The Vice-Chancellor of the University conducted a series of meetings with Heads and Deans to deliberate upon the vital parameters of the revised curriculum to formulate a uniform template featuring Background, Programme Outcomes, Programme Specific Outcomes, Postgraduate Attributes, Structure of Masters Course, Learning Outcome Index, Semester-wise Courses and Credit Distribution, Course-level Learning Outcomes, Teaching-Learning Process, Blended Learning, Assessment and Evaluation, Keywords, References and Appendices. The experts of various Boards of Studies and School Boards contributed to a large extent in giving the final shape to the revised curriculum of each programme.

To ensure the implementation of curricular reforms envisioned in NEP, 2020, the University has decided to implement various provisions in a phased manner. Accordingly, the curriculum may be reviewed annually.

ii) About the Law

The term “Law’ denotes different kinds of Rules and Principles. Law is an instrument that regulates human conduct/behaviour. Law means Justice, Morality, Reason, Order, and Righteous from the viewpoint of society. Law means Statutes, Acts, Rules, Regulations, Orders and Ordinances from the point of view of the legislature. Law means Rules of court, Decrees, Judgments, Orders

of courts, and Injunctions from the point of view of the Judges. Accordingly, Law is a broader term that includes Acts, Statutes, Rules, Regulations, Orders, Ordinances, Justice, Morality, Reason, Righteous, Rules of court, Decrees, Judgments, Orders of courts, Injunctions, Tort, Jurisprudence and Legal Theory, etc.

In old English system "Lagu" i.e., law, ordinance, rule, regulation from Old Norse "Lagu" law collective Plural of "Lag" is layer, measure, stroke 'Literally' something laid down of fixed.

The term law has different meanings in different Places/societies at different times as it is subject to amendments. In Hindu religion, the law implies "Dharma," in Muhammadean religion (Islam) it is "Hokum", in Roman its "Jus", in French, its "Droit," in Arabic, Alqanoon, in Persian and Turkish, it Kunoon, in Latin its "Legam" in Philipino its "Batas" in Albanian language its "Ligj" in Czech its "Zakon" in Danish its "Lor" in Dutch its "Wet" in Italian its "Legge" and Lithuanian its "Teise" and so on. It varies from place to place in the sense that adultery is an offense in India under section 497of the Indian penal code, 1860 while it is not considered an offense in America. Law differs from religion to religion in the sense of personal laws viz. Hindu law, Muslim law, etc. differ from one another. For instance, A Muslim can have four wives living at a time, but a Hindu can have only one wife living at a timei.e. Monogamy. If a Hindu male marries again during the lifetime of his first wife, he is declared guilty of the offense of bigamy and is Punishable under Section 494, Indian Penal Code, 1860. The law is subject to change with the change in society and also changes in the Governmental/legislative acts through the amendments/Acts.

Generally, the term law is used to mean three things:

First, it is used to mean "legal order". It represents the regime of adjusting relations and ordering conduct by the systematic application of the force of organized political society.

Secondly, the law means the whole body of legal Percepts which exists in a politically organized society.

Thirdly, the law is used to mean all official controls in a politically organized society. This led to the actual administration of Justice as contrasted with the authoritative material for the guidance of judicial Action. Law in its narrowest or strict sense is the civil law or the law of the land.

Origin of Law

Ancient Egyptian law, dating as far back as 3000 BC had a civil code that was probably broken into twelve books, it was based on the concept of Ma'at characterized by traditional rhetorical speech, social equality and impartiality by the 22nd century BC, Ur-nammu, an ancient Sumerian ruler, formulated the first law code consisting of casuistic statements (if…then…") Around 1960 BC, King Hammurabi further developed Babylonian law, by codifying and inscribing it in stone. Hammurabi placed several copies of his law code throughout the kingdom of Babylon as Stelae, for the entire public to see this became known as the Codex Hammurabi.

Ancient India and China represent the distinct tradition of law and had historically independent schools of legal theory and practice. The Arthashastra, dating from 400 BC and the Manusmriti from 100 BCE were an influential treatises in India, but this Hindu tradition, along with Islamic law was supplanted by the common law when India became part of the British Empire. Malaysia, Brunei, Singapore and Hongkong also adopted the common law. Japan was the first country to begin modernizing its legal system along western lines by importing bits of the French but mostly the German Civil Code. Similarly, traditional Chinese law gave way to westernization towards the final years of the dynasty in the form of six private law codes based mainly on the Japanese model of German law.

One of the major legal systems developed during the Middle Ages was Islamic law and jurisprudence. During the classical period of Islamic law and jurisprudence, "Hawala" and institution of law was an early informal transfer system that is mentioned in the text of Islamic Jurisprudence as early as the 8th century. Hawala itself later influenced the development of the "Aval" in French

civil law and Avallo in Italian law. Roman law was heavily influenced by Greek teachings.

iii) About the Programme: Nature, Extent and Aims

Legum Baccalaureus or LL.B. is a three-year, Bachelor of Law degree that is offered to aspirants by many renowned colleges in India including Central University of Haryana, Mahendergarh, Haryana. The students can pursue this law course only if they possess a graduation degree in any stream. The three-year LL.B. course offered at all law colleges in India is regulated and closely supervised by the Bar Council of India (BCI), a statutory body constituted under the Advocates Act, 1961.

The three-year law course is structured in such a way that the curriculum is divided into six semesters. The candidates are awarded a degree only when they complete all the semesters of this three-year LL.B. course. As a part of the LL.B. degreeoffered at the most popular law colleges in India, the candidates need to take part in regular theory classes, moot courts, internships in courts as well as tutorial work.

The candidates who want to pursue the LL.B. course should fulfill certain requirements to be eligible. The eligibility criteria for three-year LL.B. courses as mentioned by the Bar Council of India in Legal Education Rules, 2008 is such as:

A. Candidates need to be graduates i.e., they should have passed a bachelor's degree of three years or four years duration inany subject/ discipline to pursue an LL.B. course.

B. Apart from the criteria mentioned above-mentioned point ‘A’, some Centre of Legal education/colleges/universities also fix a minimum percentage requirement that candidates need to fulfill to secure admission in the three-year LL.B. course offered by them. The (minimum) percentage requirement for General category candidates ranges from 45% to 55% and that for SC/ST category candidates, it ranges between 35% to 45%.

Although some colleges offer admission to candidates based on merit, however, the majority of the popular law colleges/ universities in India offer admission to aspirants based on either a national-level law entrance examination or based on an entrance examination conducted by them. Some popular law entrance examinations that candidates can consider to appear to secure admission in law courses are CUCET i.e., Central Universities Common Entrance Test, CLAT i.e., Common Law Admission Test, etc.

LL.B. (3 Year) Professional course is a popular course offered as part of the law stream. Law as a career choice is highly demanding and requires aspirants to be thorough with their subject and be willing to work long hours. Thus, candidates wishing to join this field need to possess the fluency and clarity of speech, objectivity, intellect, convincing power, ability to argue on a topic, persuasiveness and mental and physical stamina to perform better in the legal field.

The programme includes a balanced combination of Core, Electives and Skill-based Courses. The courses are designed in such a way to cover the entire spectrum of the legal field i.e. from fundamentals that will bring admitted students from various backgrounds to a common level to the most recent advancements in the field that will make them ready to take up challenging assignments in the real world.

The curriculum is being taught through formal lectures with the aid of new technological tools i.e. power point presentations and other audio/video tools as per requirement. Other teaching aids suiting to the nature of the topic/subject, can also be used as and when required. The additional requirements like court visits, educational tours, legal aid programme and project work are also incorporated into the curriculum.

The Aims of the programme include:

- To inculcate basic and advanced knowledge of legal aspects among students.

- To provide higher education, disciplinary and inter/multi-disciplinary research-oriented knowledge to the students to make them lifelong learners.
- To provide a learned, skilled and creative pool of law graduates who are ready to take up challenging assignments in different kinds of Bench, LPOs, legal research institutions, advocacy and academia.
- To mould responsible, proactive citizens who are equipped with legal thinking and skills to address problems of their locality and to equipped with their social responsibility.
- An adequate blend of theory, computation and hands-on legal experiments.
- Internship/Court visit – close to the practical aspect of legal implementation in courts.

iv) Qualification Descriptors: Possible Career Pathways

The ambition to enter the legal profession is usually drawn from inspiration. Most law aspirants tend to find their stimulus coming either from personal heroes (usually family members), fictional ones (Perry Mason, Alan Shore), or because they feel drawn by the idea that one person can truly make a difference.

From Mahatma Gandhi to Barack Obama, the list of luminaries who have used this profession as a stepping stone to greatness runs long and wide. Gone are the days when black robes and courtrooms were the bread and butter of lawyers. From swanky corporate offices to jobs in movies and the media, lawyers have moved many moons away from the conventional and now live very much in the real world.

So, the legal profession looks attractive enough, but what kind of person would make a great lawyer. Good communication skills are a given - both oral and written. A lawyer must also be fond of reading because you will need to do a fair bit of research to be effective at your job. However, the most important skill that you need to have is logical reasoning. You need to be able to look at matters objectively and come

to your conclusions. There are a plethora of job opportunities available to candidates after they complete their LL.B. degree. Some popular job profiles that candidates can pursue after securing an LL.B. degree may be categorized as follows:

A. INDEPENDENT LEGAL PRACTICE

The traditional career path is to "practice law" before the courts. But any fresh graduate needs to learn the ropes under a Senior Counsel. The graduates are now supposed to qualify for a Bar Exam before they join the Courts of Law. Litigations provide a wide range of employment options in both private and public spheres. Some of the specialized fields, out of which, anyone can choose according to his/her interest area, are as follows:

a. Criminal Lawyer

Criminal lawyers are responsible for representing their clients in court for criminal cases. They present cases in the court for their client in the local court, High Court, or the Supreme Court. Criminal lawyers argue their client's case in front of a judge, question witnesses and the people related to their case, and review evidence. This field requires strong investigative and interpersonal skills. You must also have strong oration skills as you need to present your client's case as strongly as possible. Criminal lawyers are experts at conducting research, performing legal analysis, and interacting with other people.

b. Corporate Lawyer

Corporate lawyers help companies in complying with the rules and regulations of their industry. They are responsible for assisting their client with all the legal processes related to a company's formation and management. As a corporate lawyer, you have to advise your client in claiming liability, business transactions, and represent them in court during a trial. Corporate lawyers help their clients in reviewing and submitting legal documents related to their issues. Corporate lawyers must be familiar with many subjects including Competition Law, Advanced Company Law, Commercial Contract Drafting, M&A Transactions, Banking, and Financial Law, etc.

c. Civil Lawyer

Civil lawyers handle non-criminal litigation, but their duties are the same as criminal lawyers. Civil lawyers take over the litigation once a defendant hires them. A civil lawyer is responsible for all the case-related tasks, such as; communicating with the other party's lawyers and the judge, interviewing the people related to the case, filing motions, hiring expert witnesses, presenting the case, and much more. There are many specializations among civil lawyers which makes the field quite diverse. Common specializations in this field include divorce law, taxation law and excise law, etc.

Listed below are some other fields in which one can get specialization and have a lucrative career in the legal field:

- Taxation Law
- Labor Law
- International Law
- Family Law
- Constitutional Law
- Administration Law
- Patent Law etc

B. GOVERNMENT SERVICES

The students can opt to join Government Services after completing their LL.B. Degree, if they prepare themselves, they would be eligible for State Judicial Services and the various other legal under the Central and State government which includes Legislative Counsel in the Legislative department and Legal advisors in the Department of Legal Affairs.

This requires the aspirants to qualify for the examination held by the Public Service Commission. Certain legislative counsels are appointed under the legislative department of Hindi as well as regional languages.

Those qualified would also be eligible to join the Air Force, Indian Army, and the Navy as JAG. They are also eligible to crack the examinations like HAS and IAS organized by UPSC (Union Public Service Commission) or SPSC (State

Public Service Commission). They also have the option of becoming an Assistant Public Prosecution or Public Prosecutor under the Prosecution Department of Central and State Government.

The law graduates can study in detail the Indian Constitution, about powers and functions of government, how government works and many other things in detail which make them easy to Crack this examination after some preparations. For this, after gaining some experience from the practice, they are appointed through an exam conducted by the Union Public Service Commission or by the State Public Service Commission.

C. LEGAL ADVISOR

After completing your LL.B., you can become a legal advisor or join law firms, Private Companies, Corporate firms, or Banks. You can provide advice on various legal matters. Furthermore, your legal expertise could also be used in NGOs. These provide their clients with legal advisory services. They also help people to make the correct decision in a given situation. Most large corporations and government organizations hire legal advisors. One of the most career options in the field of law is legal advisor. As a legal advisor, you are responsible for advising your client on legal issues, preventing litigation, and taking care of contractual and regulatory problems.

Legal advisors have to negotiate with the other party to resolve disputes and analyze contracts for their organization. Organizations rely on legal advisors to prevent legal disputes. Legal advisors usually offer advice to the top management of a company and work with them to resolve any legal dispute that arises.

Prominent skills in this sector include Legal Research, Contract Negotiation, Contract Management, and Litigation Case Management.

D. JUDICIARY

The students are also free to work for the judicial machinery of the Country as a Judge or Magistrate. This requires them to pass a judicial examination conducted by the Public Service Commission. This is a very difficult

examination to pass. The lowest post of the Magistrate, Sub judge, or Munsif is filled up by the latest recruitments through Public Service Commission or by the concerned High Court of the state. The Magistrate/ judges the Criminal cases and the Sub- Judge, decides the Civil Cases. Through promotion, these judges could become District Judges and also attain higher posts in High Courts. They would be able to gain promotion based on their experience and seniority. The initial requirement of these posts is an LL.B. degree from an approved/recognized University and should not have attained the age of 35 years.

E. JUDICIAL CLERKSHIP

A judicial clerkship is an extremely valuable experience for the students interested in either litigation or transactional work; it provides invaluable insights into the workings of the legal system. Law clerks act as legal assistants whose duties vary from court to court and judge to judge.

F. ACADEMICS / HIGHER STUDIES

The students with impressive academic ability and with the skill of explaining and narrating different topics to a group of people are good fits to become a lecturer in one of the best-recognized Universities or Law Colleges in the country. If any student wants to study further law, he/she can choose research work, or LL.M. / Ph.D. in fields like International Law, Constitutional Law, Labour Law, Cyber law, and Family Law.

This might also be an opportunity to choose a career path as the specialization means that they would spend their time in that area of law. The LL.M. (2 Year) course will not just only help you to gain a deeper perspective, but it will help you get jobs that pay you better

If they choose to do an LL.M. degree, they could go on to complete research in their respective field by taking admission into Ph.D. programme. This way, anyone can also become an Assistant Professor in Government Universities and Private Universities too.

G. LEGAL OUTSOURCING

Legal outsourcing refers to the practice of a law firm that acquires legal services from an exterior firm. This service is called off sharing if the outsourced entity has its origin in another country. This is one of the fields where the potential has not fully been utilized. There are several opportunities for the people of the country to grab the opportunities in this field.

H. PRIVATE COMPANIES

There is a great scope for law graduates to join private firms across the country. They can choose to become the legal advisor and help the company with legal decisions. In case someone is looking for a well-paid job, he can get an MBA degree after doing an LL.B. This way, he would be able to get a dual post in companies. Firstly, he could work as legal advisor and secondly, he would be able to take part in business administration. The dual package will guarantee excellent pay for the employees.

I. WRITER OF LAW BOOKS /REPORTS /JOURNALIST

If any student is excelling at writing and can understand the law well, then this profession is the right one for him. If you are capable of writing and editing law books used by law students or if you can write legal reports for various publications or newspapers, this job would fit you well. You can also work with a journalist as a guide who guides them all the time. If you have a knack for writing, then you can pursue a career in legal journalism. Legal journalists attend court hearings and report the facts directly. They write articles for publications that could be online (blog, website, and social media) as well as offline (newspaper, magazine, etc.). Legal journalists might take part in discussions on legal issues as they have a strong understanding of the law and current affairs. Legal journalism covers legal proceedings in courts, arbitration events, criminal matters, etc., which are disseminated to the public.

This field requires strong communication skills and writing skills. However, it's also possible for a legal journalist to work in visual media (television,

YouTube, etc.) instead of being limited to writing. It's certainly a unique career with a specific set of opportunities and challenges.

Legal Publishing: Lawyers get an opportunity to work as editors for various types of print and electronic media. It is a good option for those with a knack for writing.

Law Reporting: One can take up a career as a law reporter with TV channels and newspapers. Ranging from high-profile cases to concerns related to social issues and human rights, a new path for lawyers has opened up in this field.

J. LEGAL ANALYST

Law graduates could join law firms or corporate firms and conduct analyses regarding the law sphere about the company and its functions. This requires aspirants to own a license to practice law. Legal Analysts also can assist in drafting various legal documents and also assists attorneys. In the case of financial law, this is a great option. It also requires you to be well analytical and organizational along with a great athlete. Legal analysts are responsible for researching and reviewing legal issues while making recommendations on the same. They assist legal teams and lawyers in performing research, gathering evidence, preparing legal documents, and performing various tasks to help the lawyers perform their duties.

Legal analysts are also known as paralegals or litigation analysts and their work can vary a lot depending on the case they are working and who they are assisting. They are responsible for handling tracking systems and databases while collating, tracking, and reviewing important documents.

They work during the usual business hours but might have to work overtime while working on big cases. Moreover, they might have to travel for researching more on their cases. Legal analysts must have a basic understanding of the law, legal documentation, and research in law & management.

K. LEGAL RESEARCHER

A legal researcher is someone responsible for researching various cases and finding ways to win a case. It includes general topics regarding the laws. In other words, they are the ones that the lawyers hire to gain a deeper insight into the cases and legal nuances. Therefore, this is also an interesting profession for you if you are a law graduate.

L. POLITICS

If you are interested in taking part in the governance of the country or if you have a political background, you can enter politics if you are a law graduate. This is a helpful in the way that you will have deep knowledge regarding all three domains of the government i.e. Legislature, Executive and Judiciary. This allows them to contribute actively to the nation and become a politician.

However, in India, joining politics does not mandate any educational qualification, but there are several of the top political leaders in the country who are law graduates.

Besides, Indian political history is the best proof of the fact that lawyers are the best politicians out there. Remember that the 250-members constitutional Assembly that formed the constitution comprised entirely of lawyers. Therefore, studying LL.B. is one of the best options if you have an interest in pursuing politics.

M. SOCIAL WORK

A sizeable number of law school graduates join Non-Governmental Organizations (NGOs) that work for social causes. If you are passionate about socio-legal issues, then this is the right avenue for you. One may work with NGOs and Civil Society Organizations on issues based on environmental protection, gender concerns, caste discrimination, employment, working conditions, marginalization of various sections of the society, etc.

Law school graduates are also offered opportunities to work with international organizations such as; the United Nations and with international

tribunals like the International Court of Justice and International Criminal Court, etc.

Thus, completing LL.B., (3 Year) Professional programme is one of the first steps to a successful career as there are numerous opportunities as discussed above, for law graduates to pursue a successful legal career.

2. PROGRAMME OUTCOMES (POs)

The overall aim of the LL.B. (3 Year) Professional Programme may be achieved by addressing its various components that are incorporated into the curriculum as described below. Each of these components is designed to lead to specific outcomes that are desired after the successful completion of the LL.B. (3 Year) Professional programme.

PROGRAMME OUTCOMES	Component	Outcomes
PO-1	Basic Knowledge	Capable of delivering basic disciplinary knowledge gained during the programme.
PO-2	In-depth Knowledge	Capable of describing advanced knowledge gained during the programme.
PO-3	Critical thinking and Problem-Solving abilities	Capable of analyzing the results critically and applying acquired knowledge to solve the problems.
PO-4	Creativity and Innovation	Capable to identify, formulate, investigate and analyzing scientific problems and innovatively designing and creating products and solutions to real-life problems.
PO-5	Research Aptitude and Global Competency	Ability to develop a research aptitude and apply knowledge to find the solution to burning research problems in the

		concerned and associated fields at the global level.
PO-6	Holistic and Multidisciplinary Education	Ability to gain knowledge with the holistic and multidisciplinary approach across the fields.
PO-7	Skills Enhancement	Learn specific sets of disciplinary or multidisciplinary skills and advanced techniques and apply them for the betterment of mankind.
PO-8	Leadership and Teamwork Abilities	Ability to learn and work in a group and capable of leading a team even.
PO-9	Environmental and Human Health Awareness	Learn important aspects associated with environmental and human health. Ability to develop eco-friendly technologies.
PO-10	Ethical thinking and Social Awareness	Inculcate the professional and ethical attitude and ability to relate to social problems.
PO-11	lifelong Learning Skills and Entrepreneurship	Ability to learn lifelong learning skills which are important to provide better opportunities and improve quality of life. Capable to establish independent startup/innovation center etc.

3. PROGRAMME SPECIFIC OUTCOMES (PSOs)

The LL.B. (3 Year) Professional programme shall be able to realize the following specific outcomes by the end of programme studies:

Sr. No. of PSOs	Programme Specific Outcomes
PSO-1	To acquire a thorough knowledge of basic theoretical concepts and experimental aspects of the law.
PSO-2	To fully develop the skills for using the earned knowledge within different branches of the legal field.
PSO-3	To develop the attitude for identifying and solving problems by using various legal aspects mentioned in the curriculum of this programme.
PSO-4	To develop the capability to search, acquire and apply recent developments in the field of legal studies.
PSO-5	To develop an overview of the role of legal studies in sustaining society.
PSO-6	To develop the skill to adopt the learned principles in various settings and innovate with the importance of sustainability in mind, if necessary
PSO-7	To develop scientific temper, humanism and the spirit of Enquiry and legal reforms.

4. Postgraduate Attributes

Upon completion of the LL.B. (3 Year) Professional programme, students are expected to be equipped with the skills of analytical, critical and rational thinking associated with law and its use in human society. The following attributes are expected from the students of the LL.B. (3 Year) Professional Programme:

PGA No.	P.G. Attributes
PGA-1	knowledge of Discipline and solid/firm foundation/basics in students
PGA-2	Creative, critical and reflective Thinking in the studies
PGA-3	Building of value-oriented attitudes and values

PGA-4	Imparting knowledge about principles and practical aspects of different legal instruments
PGA-5	Development of Research skills in the students
PGA-6	Evolution of the spirit to think beyond which were never thought before
PGA-7	Imparting knowledge about Information technology/digital literacy
PGA-8	Promotion to have the feeling of teamwork

5. STRUCTURE OF LL.B. (3 YEAR) PROFESSIONAL COURSE

The LL.B. 3 Year (Professional) Programme is of *three years* duration, which is divided into six semesters **(Table -1).** The programme under the Choice Based Credit System (CBCS) includes a balanced combination of *Core* and *Electives courses which also includes Generic Elective Courses for imparting basic knowledge of the laws of general importance among the students of other departments.* **(Table 2).**

The Ordinance No. XXXII, of the Central University of Haryana, is dealing with LL.B. (3 Year) Professional Course and it aligns with the P.G. ordinance of the University and the latest Guidelines of the Bar Council of India regarding the compilation of the syllabus of LL.B. (3 Year) Professional Course. The total credit requirement for completion of the programme shall be 160 (±6), including a minimum of 32 Credits from electives of which 12 Credits shall be from elective courses offered by other Departments. For each paper/course, four hours per week shall be assigned for classroom teaching and one hour for professional skills development activities. As per the Legal Education Rules and guidelines issued by the Bar Council of India, the course leading to LL.B. (Three Year) Professional Course shall be conducted in a semester system in not less than 15 weeks (6 days a week)/18 weeks (5 days a week) and each week shall have not less than 30 hours for teaching, moot court, tutorial and skill development activities, etc.

Table-1

Part	Year	Semester	Total Credit of Core/Compulsory Subjects	Total Credit of Elective & GEC Subjects
Part-I	First	I &II	25+20= **45**	8+8
Part-II	Second	III& IV	21+21= **42**	8+8
Part-III	Third	V & VI	21+21= **42**	8+20
Total Credit			**129**	**60**

Table 2

Types of Courses	Nature	Total Credit 189	% (approx.)
Core Courses(CC)	Compulsory Courses	129	68.25
Elective Courses (EC)	Course Centric Elective Courses Including Generic Elective Courses for other department's students	60	31.75
		189	**100**

6. LEARNING OUTCOME INDEX

6.1, Mapping of Core Courses* with PSOs

Semester	PSOs ⇨ Courses POs No. ⇩	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
I	CC1	√	√	√	√	√	√	√
	CC2	√	√	√	√	√	√	√
	CC3	√	√	√	√	√	√	√
	CC4	√	√	√	√	√	√	√
	CC5	√	√	√	√	√	√	√
II	CC6	√	√	√	√	√	√	√
	CC7	√	√	√	√	√		√

	CC8	√	√	√	√	√	√	√
	CC9	√	√	√	√	√	√	√
	CC10	√	√	√	√	√	√	√
III	CC11	√	√	√	√	√	√	√
	CC12	√	√	√	√	√	√	√
	CC13.	√		√	√	√	√	√
	CC14	√	√	√	√	√	√	√
	CC15	√	√	√	√	√	√	√
IV	CC16	√	√	√	√	√	√	√
	CC17	√	√	√	√	√	√	√
	CC18	√	√	√	√		√	√
	CC19	√	√	√	√	√	√	√
	CC20	√	√	√	√	√	√	√
V	CC21	√	√	√	√	√	√	√
	CC22	√	√	√	√	√	√	√
	CC23	√	√	√	√	√	√	√
	CC24	√	√	√	√	√	√	√
	CC25	√		√	√	√	√	√
VI	CC26	√	√	√	√	√	√	√
	CC27	√	√	√	√	√	√	√
	CC28	√	√	√	√	√	√	√
	CC29	√	√	√	√	√	√	√
	CC30	√	√	√	√	√	√	√

* Core Courses Details

Code	Course Code	Course title
CC1	SL LAW 03 01 01 C 4105	Law of Crimes (Indian Penal Code)-I
CC2	SL LAW 03 01 02 C 4105	Law of Contract-I, Including the Specific Relief Act, 1963
CC3	SL LAW 03 01 03 C 4105	Family Law-I
CC4	SL LAW 03 01 04 C 4105	Constitutional Law of India-I
CC5	SL LAW 03 01 05 C 4105	Law of Torts Including MVAccident and Consumer Protection Act, 2019
CC6	SL LAW 03 02 06 C 4004	Law of Crimes (Indian Penal Code) –II
CC7	SL LAW 03 02 07 C 4004	Law of Contract- II, Including Sales of Goods Act, 1930 and Indian Partnership Act, 1932
CC8	SL LAW 03 02 08 C 4004	Family Law-II Including The Maintenance and Welfare of Parents and Senior Citizens Act, 2007
CC9	SL LAW 03 02 09 C 4004	Constitutional Law of India-II
CC10	SL LAW 03 02 10 C 4004	Administrative Law Including RTI Act, 2005
CC11	SL LAW 03 03 11 C 4004	Jurisprudence
CC12	SL LAW 03 03 12 C 4004	Criminal Law-I, (Cr. P. C.) Including Probation of offenders Act, 1958
CC13.	SL LAW 03 03 13 C 4004	Labour and Industrial Laws- I
CC14	SL LAW 03 03 14 C 4004	Public International Law and Human Rights

CC15	SL LAW 03 03 15 C 1245	Clinical Course- I: Legal Dispute, Arbitration, Conciliation and Alternative Disputes Resolution System
CC16	SL LAW 03 04 16 C 4004	Property Law Including Transferof Property Act, 1882 Including Registration, Act, 1908
CC17	SL LAW 03 04 17 C 4004	Criminal Law-II (Cr. P. C.) Including Juvenile Justice Act, 2015 & POCSO Act, 2012
CC18	SL LAW 03 04 18 C 4004	Labour and Industrial Law-II
CC19	SL LAW 03 04 19 C 4004	Environmental Laws
CC20	SL LAW 03 04 20 C 1245	Clinical Course- II Moot Court and Internship
CC21	SL LAW 03 05 21 C 4004	Civil Procedure Code, 1908-I
CC22	SL LAW 03 05 22 C 4004	Land Laws Including Land Acquisition System and Panchayati Raj Institutions
CC23	SL LAW 03 05 23 C 4004	Law of Evidence
CC24	SL LAW 03 05 24 C 4004	Taxation Laws
CC25	SL LAW 03 05 25 C 1245	Clinical Course-III: Drafting,Pleadings and Conveyancing
CC26	SL LAW 03 06 26 C 4004	Civil Procedure Code, 1908-II,Including Limitation Act, 1963
CC27	SL LAW 03 06 27 C 4004	Criminology, Penology and Victimology
CC28	SL LAW 03 06 28 C 4004	Company Law
CC29	SL LAW 03 06 29 C 4004	Interpretation of Statues
CC30	SL LAW 03 06 30 C 1245	Clinical Course-IV: ProfessionalEthics and Professional Accountability

6.2, Mapping of Elective Courses* with PSOs

Semester	PSOs ⇨ Courses POs No. ⇩	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
I	EC1	√	√	√	√	√	√	
	EC2	√	√	√	√	√	√	√
II	EC3	√	√	√	√	√	√	√
	EC4	√	√	√	√	√	√	√
III	EC5	√	√	√		√	√	√
	EC6	√	√	√	√	√	√	√
IV	EC7	√	√	√	√	√	√	√
	EC8	√	√	√	√	√	√	√
V	EC9	√	√	√	√	√	√	√
	EC10	√		√	√	√	√	√
VI	EC11	√	√	√	√	√	√	√
	EC12	√	√	√	√	√	√	√
	EC13	√	√	√	√	√	√	√
	EC14	√	√	√	√	√	√	√

*** Elective Courses Details**

Code	Course Code	Course Title
EC1	SL LAW 03 01 01 E 4004	Computer Fundamentals & Information Technology Law
EC2	SL LAW 03 01 02 GE 4004	Media & Law
EC3	SL LAW 03 02 03 E 4004	Cyber Law
EC4	SL LAW 03 02 04 GE 4004	Health Law
EC5	SL LAW 03 03 05 E 4004	Gender Justice and Feminist Jurisprudence
EC6	SL LAW 03 03 06 GE 4004	International Organizations
EC7	SL LAW 03 04 07 E 4004	Intellectual Property Rights Management
EC8	SL LAW 03 04 08 E 4004	Competition Law
EC9	SL LAW 03 05 09 E 4004	Banking Law includingNegotiable Instrument Act, 1881
EC10	SL LAW 03 05 10 E 4004	Law of Corporate Finance
EC11	SL LAW 03 06 11 E 4004	Service Laws
EC12	SL LAW 03 06 12 E 4004	Law of Insurance
EC13.	SL LAW 03 06 13 E 4004	Law Relating to Bankruptcy and Insolvency
EC14	SL LAW 03 06 14 E 4004	Equity, Trust and Fiduciary Relations
EC15	SL LAW 03 06 15 E 4004	Disaster Management in India

7. TEACHING-LEARNING PROCESS

- Lectures
- Group Discussions
- Simulations
- Role-Playing
- Participative Learning
- Interactive Sessions
- Seminars
- Research-based Learning/Dissertation or Project Work
- Technology-embedded Learning
- Case Law
- Situation Reaction Test
- Moot Classes
- Problem Based Learning
- Practical Exposure through Court visits.

8. IMPLEMENTATION OF BLENDED LEARNING

Blended Learning is a pedagogical approach that combines face-to-face classroom methods with computer-mediated activities in the process of

teaching and learning. It implies a proper blend of face-to-face and online activities to make the learning processes more interesting and engaging. It focuses on the integration of traditional classroom activities and innovative ICT-enabled strategies. It emphasizes a student-centric learning environment where the teacher is the facilitator for productive and measurable learning outcomes. It optimizes and compliments face-to-face learning, giving ample freedom and flexibility to the students and teachers to access and explore the wide range of open-access sources such as; video lectures, podcasts, recordings and articles through digital platforms. It gives freedom and autonomy to the teachers in the selection of appropriate digital platforms, resources and time-slots to complement and supplement face-to-face learning. Blended Learning doesn't undermine the role of the teacher, rather it allows him/her to explore the unexplored in accordance with the requirements of the curriculum.

KEY FEATURES OF BLENDED LEARNING

- Student-Centric Pedagogical Approach focusing on flexibility in timing, quality content, needs and interests of students and freedom to study through the mode of his/her choice;
- Freedom to Select a variety of mediums and techniques;
- Increased student engagement in learning;
- Enhanced teacher and student interaction;
- Improved student learning outcomes;
- More flexible teaching and learning environment;
- More responsive for self and continuous learning;
- Better opportunities for experiential learning;
- Increased learning skills;
- Greater access to information, improved satisfaction and learning outcomes.

Note: It has been resolved by the competent authority of the University that Blended Learning with 40% component of online teaching and 60% face-to-face classes for each programme, to be adopted.

9. ASSESSMENT AND EVALUATION

- Continuous Comprehensive Evaluation at the regular interval after the achievement of each course-level learning outcome
- Formative Assessment based on activities of a learner throughout the programme instead of the one-time assessment
- Oral Examinations to test presentation and communication skills
- Open Book Examination for better understanding and application of the knowledge acquired
- Group Examinations on Problem solving exercises
- Seminar Presentations
- Review of Literature
- Collaborative Assignments

10. KEYWORDS

- LOCF
- NEP, 2020
- Blended Learning
- Face to face (F to F) Learning
- Programme Outcomes
- Programme Specific Outcomes
- Course-level Learning Outcomes
- Postgraduate Attributes
- Learning Outcome Index
- Formative Assessment and Evaluation
- Comprehensive and Continuous Evaluation

11. REFERENCES

- National Education Policy-2020. https://www.education.gov.in/sites/upload_files/mhrd/files/NEP_Final_English_0.pdf
- The draft subject-specific LOCF templates are available on the UGC website. https://www.ugc.ac.in/ugc_notices.aspx?id=MjY5OQ
- Draft Blended Mode of Teaching and Learning: Concept Note available on the UGC website. https://www.ugc.ac.in/pdfnews/6100340_Concept-Note-Blended-Mode-of-Teaching-and-Learning.pdf

12. SEMESTER-WISE COURSES AND CREDIT DISTRIBUTION

SEMESTER – I

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Law of Crimes (Indian Penal Code)- I	SL LAW 03 01 01 C 4105	4	1	0	5
2	Law of Contract- I, Including the Specific Relief Act, 1963	SL LAW 03 01 02 C 4105	4	1	0	5
3	Family Law- I	SL LAW 03 01 03 C 4105	4	1	0	5
4	Constitutional Law of India- I	SL LAW 03 01 04 C 4105	4	1	0	5
5	Law of Torts Including MV Accident and Consumer Protection Act, 2019	SL LAW 03 01 05 C 4105	4	1	0	5
					Total Credits	**25**
Course Code Elective Course(s)						
1	Computer Fundamentals & Information Technology Law	SL LAW 03 01 01 E 4004	4	0	0	4
2	Media & Law	SL LAW 03 01 02 GE 4004	4	0	0	4
					Total Credits	**08**

SEMESTER - II

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Law of Crimes (Indian Penal Code)– II	SL LAW 03 02 06 C 4004	4	0	0	4
2	Law of Contract- II, Including Sales of Goods Act, 1930 and Indian Partnership Act, 1932	SL LAW 03 02 07 C 4004	4	0	0	4
3	Family Law- II Including The Maintenance and Welfare of Parents and Senior Citizens Act, 2007	SL LAW 03 02 08 C 4004	4	0	0	4

4	Constitutional Law of India- II	SL LAW 03 02 09 C 4004	4	0	0	4
5	Administrative Law Including RTI Act, 2005	SL LAW 03 02 10 C 4004	4	0	0	4
					Total Credits	**20**
Course Code Elective Course(s)						
1	Cyber Law	SL LAW 03 02 03 E 4004	4	0	0	4
2	Health Law	SL LAW 03 02 04 GE 4004	4	0	0	4
					Total Credits	**08**

SEMESTER - III

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Jurisprudence	SL LAW 03 03 11 C 4004	4	0	0	4
2	Criminal Law- I, (Cr. P. C.) Including The Probation of Offenders Act, 1958	SL LAW 03 03 12 C 4004	4	0	0	4
3	Labour and Industrial Laws- I	SL LAW 03 03 13 C 4004	4	0	0	4
4	Public International Law and Human Rights	SL LAW 03 03 14 C 4004	4	0	0	4
5	Clinical Course- I: Legal Dispute, Arbitration, Conciliation and Alternative Disputes Resolution System	SL LAW 03 03 15 C 1245	1	2	4	5
					Total Credits	**21**
Course Code Elective Course(s)						
1	Gender Justice and Feminist Jurisprudence	SL LAW 03 03 05 E 4004	4	0	0	4
2	International Organizations	SL LAW 03 03 06 GE 4004	4	0	0	4
					Total Credits	**08**

SEMESTER – IV

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Property Law Including The Transferof Property Act, 1882 & Registration Act, 1908	SL LAW 03 04 16 C 4004	4	0	0	4

2	Criminal Law-II (Cr. P. C.) Including The Juvenile Justice Act, 2015 & POCSO Act, 2012	SL LAW 03 04 17 C 4004	4	0	0	4
3	Labour and Industrial Law- II	SL LAW 03 04 18 C 4004	4	0	0	4
4	Environmental Laws	SL LAW 03 04 19 C 4004	4	0	0	4
5	Clinical Course- II: Moot Court and Internship	SL LAW 03 04 20 C 1245	1	2	4	5
					Total Credits	**21**
Course Code Elective Course(s)						
1	Intellectual Property Rights Management	SL LAW 03 04 07 E 4004	4	0	0	4
2	Competition Law	SL LAW 03 04 08 E 4004	4	0	0	4
					Total Credits	**08**

SEMESTER – V

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Civil Procedure Code, 1908-I	SL LAW 03 05 21 C 4004	4	0	0	4
2	Land Laws Including Land Acquisition System and Panchayati Raj Institutions	SL LAW 03 05 22 C 4004	4	0	0	4
3	Law of Evidence	SL LAW 03 05 23 C 4004	4	0	0	4
4	Taxation Laws	SL LAW 03 05 24 C 4004	4	0	0	4
5	Clinical Course-III: Drafting, Pleadings and Conveyancing	SL LAW 03 05 25 C 1245	1	2	4	5
					Total Credits	**21**
Course Code Elective Course(s)						
1	Banking Law including The Negotiable Instrument Act, 1881	SL LAW 03 05 09 E 4004	4	0	0	4
2	Law of Corporate Finance	SL LAW 03 05 10 E 4004	4	0	0	4
					Total Credits	**08**

SEMESTER – VI

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Civil Procedure Code, 1908-II, Including The Limitation Act, 1963	SL LAW 03 06 26 C 4004	4	0	0	4
2	Criminology, Penology and Victimology	SL LAW 03 06 27 C 4004	4	0	0	4
3	Company Law	SL LAW 03 06 28 C 4004	4	0	0	4
4	Interpretation of Statutes	SL LAW 03 06 29 C 4004	4	0	0	4
5	Clinical Course-IV: Professional Ethics and Professional Accountability	SL LAW 03 06 30 C 1245	1	2	4	5
					Total Credits	**21**
Course Code Elective Course(s)						
1	Service Laws	SL LAW 03 06 11 E 4004	4	0	0	4
2	Law of Insurance	SL LAW 03 06 12 E 4004	4	0	0	4
3	Law Relating to Bankruptcy and Insolvency	SL LAW 03 06 13 E 4004	4	0	0	4
4	Equity, Trust and Fiduciary Relations	SL LAW 03 06 14 E 4004	4	0	0	4
5	Disaster Management in India	SL LAW 03 06 15 E 4004	4	0	0	4
					Total Credits	**20**

13. COURSE WISE LEARNING OUTCOMES

SEMESTER-I

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Law of Crimes (Indian Penal Code)- I	SL LAW 03 01 01 C 4105	4	1	0	5
2	Law of Contract- I, Including the Specific Relief Act, 1963	SL LAW 03 01 02 C 4105	4	1	0	5
3	Family Law- I	SL LAW 03 01 03 C 4105	4	1	0	5
4	Constitutional Law of India- I	SL LAW 03 01 04 C 4105	4	1	0	5
5	Law of Torts Including MV Accident and Consumer Protection Act, 2019	SL LAW 03 01 05 C 4105	4	1	0	5
Total Credits						**25**
Course Code Elective Course (s)						
1	Computer Fundamentals & Information Technology Law	SL LAW 03 01 01 E 4004	4	0	0	4
2	Media & Law	SL LAW 03 01 02 GE 4004	4	0	0	4
Total Credits						**08**

Course Name: LAW OF CRIMES (INDIAN PENAL CODE) – I				Course Code: SL LAW 03 01 01 C 4105			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**I**	**4**	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	Indian Penal Code is a comprehensive piece of legislation applicable to all persons and has intra-territorial as well as extra territorial jurisdiction. The code lays down the general penal law of the country. Being a compulsory paper an endeavor has been made to provide extensive knowledge of different offenses covered under this Code. The course has been designed to inculcate the quest for learning, acquiring the habit of referring to sources of law. Through internal and external evaluation coupled with preparation and presentation of project reports related to course content as well as inter-disciplinary topics, this paper seeks to strengthen the learning ability of the students.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get conceptual clarity of General Principles of Criminal Law related to IPC, 1860. **2.** Develop the problem-solving skills. **3.** Develop the analytical ability. **4.** Develop the critical thinking ability.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Crime: Definition, Nature, Elements of Crime, Stages of Crime, Territorial Jurisdiction (Section 1-5), General Explanation (Section 6-52A), Punishments (Section 53-75), General Exceptions (Section 76-106),Abetment (Section 107-120)	20
II	Criminal Conspiracy (Section 120-A, 120-B), Offences against the State (Section 121-124A), Offences against the Public Tranquility (Section-141-160), Offences by or relating to Public Servants (Section 161-171)	20
III	Contempt of the Lawful Authority of Public Servants (Section 172-190), False Evidence (Section 191-193),Offences affecting life (Section 299-311)	20
IV	Causing miscarriage, etc. (Section 312-318), Hurt and Grievous hurt (Section 319-338) Wrongful Restraint and Wrongful Confinement (Section 339-341)	15

LEADING CASES

1. Lily Thomas v. Union of India, AIR 2000 SC 1650
2. Shri Bodhistwa Gautam v. Miss Subhra Chakraborty, AIR 1996 SC 922
3. Gyan Kaur v. State of Punjab, (1996) 2 SCC 648
4. Kehar Singh and others v. The State (Delhi Adm.), 1989 Cr. L.J.I. (SC)

SUGGESTED READINGS

1. K.D. Gaur: *Textbook on Indian Penal Code*, Universal /Lexis Nexis, Gurugram, 2020
2. K.D. Gaur: *Commentary on the Indian Penal Code*, Central Law Publications, Allahabad, 2019
3. K. A. Pandey: *B.M. Gandhi Indian Penal Code*, Eastern Book Company, Lucknow, 2019
4. N.V. Paranjape: *Indian Penal Code*, Central Law Publications, Allahabad, 2019
5. S.R. Myneni: *Law of Crimes (Indian Penal Code, 1860)*, Asia Law House, Hyderabad, 2019
6. Prof. S.N. Misra: *Indian Penal Code*, Central Law Publications, Allahabad, (2018)
7. Justice K.T. Thomas, M. A. Rashid, Ratanlal & Dhirajlal: *The Indian Penal Code*, LexisNexisGurugram, India, 2017
8. K. S. N. Murthy & K. V. S Sarma: *KSN Murthy's Criminal Law (Indian Penal Code*), LexisNexis, Gurugram, 2017
9. Harish Chander: *The Indian Penal Code-A Critical Commentary*, Eastern Law House, Kolkata,2017
10. R. N. Sexena*: Indian Penal Code*, Central Law Publications, Allahabad, 2017
11. P. S. A. Pillai: *Criminal Law-Incorporating the Criminal Law (Amendment) Act, 2013*, LexisNexis India, Gurugram, 2017
12. S. R. A. Rosedar: *Indian Penal Code Paperback*, LexisNexis India, Gurugram, 2016
13. Ratanlal & Dhiraj Lal (Editor Versha Vahini): *The Indian Penal Code*, Lexis Nexis, Gurugram,2014
14. C.K. Takwani: *Indian Penal Code*, Eastern Book Company, Lucknow, 2014

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAW OF CONTRACT – I INCLUDING THE SPECIFIC RELIEF ACT, 1963							Course Code: SL LAW 03 01 02 C 4105
Session	**Programme: LL.B. (3 Year)**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**Professional Course**	**I**	**4**	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	In day-to-day life, every individual makes a variety of promises. Every promise gives rise to an expectation in the minds of the other party that, the promisor would perform certain obligations and fulfill the promise towards him/her. However, all promises are not enforceable by law. Only those promises which are meant for enforcement through law are termed as contracts. The law of contract is a branch of law that deals with the regulation of all types of promises which are meant to be enforced through law. In India, the general principles of contract laws are codified under the Indian Contract Act, 1872.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get conceptual and operational parameters of various general principles relating to contract law. **2.** Understand the applicability of contract law in day-to-day life. **3.** Equip with the implication of contract law to enable them to deal effectively with the various disputes related to contracts in diverse fields.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	General features and nature of contractual obligations; Freedom of contract, contracts by Central and State Governments (Art. 299 of the Indian Constitution), Standard and Printed forms of contract - Their nature and unilateral character, Agreement and Contract- Definitions and essential elements, Proposal and Acceptance- Definition, their communication and revocation, postal, telephone and telex Communication (Section 2-9), Proposal and invitation for proposal; General offer, cross- offer, Standing offer	20
II	Capacity to contract- meaning-incapacity arising out of unsound mind, Minor's Agreement-Nature and scope, Definition of Minor, Necessaries supplied to a minor, Minor's Agreement and Estoppel, Agreement beneficial and detrimental to the minor, ratification of minor's Agreement (Section 10-12, 68), Consent and Free consent – Definition and need of free consent, Voidability of Agreement without free consent	20

	(Section 19), factors vitiating free consent (Section 19A), Coercion- Definition, essential elements, the doctrine of duress, Coercion and duress (Section 15), Undue Influence– Definition, Essential elements, Illustrations of undue influence, Agreement with Pardanashin women (Section16), Misrepresentation- Definition, misrepresentation of law and fact, their effects and illustration (Section18), Fraud – Definition, Essential Elements, When does silence amounts to fraud, Active concealment of facts– Importance of Intention, Fraud and misrepresentation (Section 17), Mistake– Definition, Mistake of fact and mistake of Law, Effect of mistake (Section 20-22) Consideration – nudum pactum, its need, meaning essential elements, privity of contract with Exceptions, adequacy of consideration, past, executed and executory consideration, Exceptions to consideration (Section –2 (d) and 25), Unlawful Agreements- Lawful and unlawful considerations and objects, Void, Voidable and unlawful agreements and their effects	
III	Void Agreements- Agreements without Consideration (Section-25), Agreement in restraint of marriage (Section-26), Agreement in restraint of trade with exceptions (Section-27), Agreement in restraint of legal proceedings with exceptions (Section –28), Uncertain Agreements (Section-29), Wagering Agreement– Definition and essentials, with exceptions (Section-30), Contingent contracts– Definition and Enforcement (Section-31-36), Performance of Contracts, Joint promises, time and place of performance (Section 37-50), Reciprocal Promises – Their meaning, Scope and performance (Section-51-54), Time – when essence of contract - meaning and illustrations (Section-55), Impossibility of Performance– meaning and scope, Doctrine of Frustration with illustrations (Section–56), Appropriation of payments (Section 59-61), Contracts which need not be performed– novation, rescission and alteration of contract, dispensation and remission of performance (Section 62-67), Quasi Contracts or certain relations resembling those created by contract (Section 68-72), Breach of contract, anticipatory breach and consequences of breach, Damages – remoteness of damage, measures of damages, Kinds of damages, penalty and Liquidated damages (Section-73-75)	20
IV	The Specific Relief Act, 1963 (With Latest Amendments): Meaning and General Principles, Specific performance of contracts – Contracts specifically enforceable, parties in relation to specific performance (Section 9-25), Rectification and cancellation of instruments (Section 26, 31-33) Rescission of contracts (Section 27-30)	15

LEADING CASES

1. State of M.P. v. Mangilal Sharma, AIR 1998 SC 743
2. Gujarat Bottling Co. Ltd. v. Coca-Cola Company, AIR 1995 SC 2372
3. M.C. Chacko v. State Bank of Travancore, AIR 1970 SC 504
4. Bhagwandas Goverdhandas Kedia v. Girdhari Lal Purshotamdas & Co., AIR 1966 SC 543
5. State of West Bengal v. B.K. Mondal & Sons., AIR 1962 SC 779

SUGGESTED READINGS

1. Avtar Singh: *Law of Contract & Specific Relief*, Eastern Book Company, Lucknow, 2020
2. R.K. Bangia: *Contract,* Allahabad Law Agency, Allahabad, 2020
3. J. Beatson, Andrew Burrows & John Cartwright: Anson's Law of Contract, Oxford University Press, London, 2020
4. H. K. Saharay: Dutt on Contract-*The Indian Contract Act, 1872,* Eastern Law House, Kolkata, 2018
5. Michael P. Furmston: *Cheshire, Fifoot & Furmston's Law of Contract*, Oxford University Press, London, 2017
6. Pollock & Mulla (Revised & edited by Nilima Bhadbhade): *Indian Contract Act, 1872,* Lexis Nexis, Gurugram, 2014
7. N. C. Seddon, R. A. Bigwood & M. P. Ellinghaus: *Cheshire and Fifoot-Law of Contract*, Butterworths, London, 2012

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: FAMILY LAW- I				Course Code: SL LAW 03 01 03 C 4105			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**I**	**4**	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	Family is the basic unit of Indian society. Family members live together with certain rights and duties towards one another as well as towards society. The subject of family law is important to understand those rights and obligations, to regulate the family matters through the law and thus minimize conflicts within the family. This subject is also important to understand the various reliefs in family disputes.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Compete in various other competitive examinations. **2.** Prepare himself/herself for judicial services Examinations. **3.** Get familiarization in Mediation and conciliation of family disputes. **4.** Perform well as practicing lawyers in family matters.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Hindu Law & Its Sources, Schools of Hindu Law, Hindu Joint Family, Features of Mitakshra and Dayabhaga Joint Families, Coparcenary, Classification of Property, Karta of Joint Family, Position, Liabilities and Powers of Karta, Karta's powers of Alienation, Coparcener's Power of Alienation, Coparcener's Right to Challenge Improper Alienation, Alienee's Rights and Remedies.	20
II	Concept of Hindu Marriage-Its Evolution and nature, The Hindu Marriage Act, 1955: (With Latest Amendments): Essential Conditions for valid Hindu Marriage, Ceremonies of Marriage, Registration of Hindu Marriages, Remedy of Restitution of Conjugal Rights, Void and Voidable Marriages, Judicial Separation and Divorce, Grounds for Divorce and Judicial Separation, Fair Trial Rule, Legitimacy of Children, Jurisdiction, Bars to Matrimonial Remedies, Ancillary Reliefs, Permanent Alimony and Maintenance, Custody, etc. The Prohibition of Child Marriage Act, 2006 (with Latest Amendments).	20
III	The Hindu Succession Act, 1956 (With Latest Amendments): Effects of the Hindu (Succession) Amendment Act 2005, Rules of Succession to the Property of Hindu Male, Succession to the Property of Hindu Female, Succession to the Mitakshara Coparcener's	20

	Interest, General Rules of Succession, Partition, Subject Matter of Partition, Persons who have a Right to Partition & Right to Share, Persons who are entitled to Share if Partition takes place, Modes of Partition, How Partition is effected, Partial Partition, Reopening of Partition, Re-Union.	
IV	The Hindu Minority and Guardianship Act, 1956 (With Latest Amendments): Concept of Minority and Guardianship, Natural Guardians and their Powers, Testamentary Guardian, Appointment and Powers, Certified Guardian, De facto Guardian, Guardian by Affinity. The Hindu Adoptions & Maintenance Act, 1956 (With Latest Amendments): Nature of Adoption, Essential Conditions for Valid Adoption, Effects of Adoption, Registration of Adoption, Maintenance as Personal Obligation, Maintenance of Dependents, Quantum of Maintenance, Maintenance as a Charge on Property.	15

LEADING CASES

1. Naveen Kohli v. Neelu Kohli, (2006) 4 SCC 558
2. K.S. Subhiah Pillai v. Commissioner of IT, AIR 1999 SC 1220
3. Githa Hariharan v. Reserve Bank of India, (1999) 2 SCC 228
4. Commissioner of Income Tax v. Chandersen, AIR 1986 SC 1753
5. G. Appaswami Chettiar v. R.Sarangapani, AIR 1978 SC 1051
6. Kailashwati v. Ayodhya Parkash, AIR 1977 PLR 216
7. Harihar Prasad v. Balmika Prasad, AIR 1975 SC 733
8. Raghuvamma v. Chenchamma, AIR 1964 SC 136

SUGGESTED READINGS

1. Basant K. Sharma: *Hindu Law*, Central Law Publications, Allahabad, 2020
2. Paras Diwan: *Family Law*, Allahabad Law Agency, Faridabad, 2020
3. Kusum*: Family Law Lectures–Family Law- I*, LexisNexis, Gurugram, 2019
4. Poonam P. Sexena: *Family Law Lectures-Family Law II*, LexisNexis, Gurugram, 2018
5. Paras Diwan & Pyushi Diwan: *Family Law*, Allahabad Law Agency, Faridabad, 2018
6. G. V. Subba Rao & Dr. Vijender Kumar: G. *C. V. Subba Rao's Family Law in India*, Narender Gogia & Company, Hyderabad, 2018
7. S. R. Myneni: *Hindu Law (Family Law I)* Asia Law House, Hyderabad, 2017
8. B. M. Gandhi: *Hindu Law*, Eastern Law Agency, Allahabad, 2016
9. U. P. D. Kesri: *Modern Hindu Law*, Central Law Publications, Allahabad, 2015
10. Satyajeet A. Desai: *Mulla's Principles of Hindu Law, Vol. I & II*, LexisNexis, Gurugram, 2013
11. Flavia Agnes, *Family Law: Volume 2: Marriage, Divorce and Matrimonial Litigation*, Oxford University Press, New Delhi, 2012
12. Flavia Agnes, *Family Law: Volume I: Family Law and Constitutional Claims*, Oxford University Press, New Delhi, 2011
13. Flavia Agnes, *Law, Justice and Gender: Family Law and Constitutional Provisions in India*, Oxford University Press, New Delhi, 2011
14. Paras Diwan: *Law of Marriage and Divorce*, Universal Law. Publishing Co. Pvt. Ltd., New Delhi, 2011
15. P. K. Das: *Handbook on Hindu Succession (Property Rights of Women and Daughters),* Universal Law Publishing Co. Pvt. Ltd., Delhi, 2011
16. Ranganath Misra: *Mayne's Treatise on Hindu Law & Usage*, Bharat Law House, New Delhi (2010)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CONSTITUTION LAW OF INDIA – I				Course Code: SL LAW 03 01 04 C 4105			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**I**	**4**	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The Constitution of India is the supreme law of the country. This course describes the necessary fundamental concepts and doctrines of Constitutional Law. It describes and analyses the division of powers, functions and responsibilities of the three organs of the country i.e. the Executive, the Legislature and the Judiciary. The students will be provided an outline of the existing political system of governance in the country as per the Constitution.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Equip with research and legal acumen. **2.** Develop an analytical approach to different judgments of the Hon'ble Supreme Court and High Court. **3.** Know the foundation of socio, political and economic analysis of different policies and legislations will be developed. **4.** Get a synthesis of the Rights and Duties of a Citizen.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Preamble, Citizenship, Fundamental Rights in General (Article 12-13), Right to Equality (Article 14-18) Right to Freedom (Article 19)	20
II	Right to Freedom (Article 20, 21, 22), Right against Exploitation (Article 23-24), Right to Freedom of Religion (Article 25-28), Cultural and Educational Rights (Article 29-30)	20
III	Right to Property (Article 300A, 31A-31B), Directive Principles of State Policy (Article 36-51), Fundamental duties (Article 51A), Writ Jurisdiction (Article 32 & 226)	20
IV	Independence of the Judiciary, Supreme Court of India: Establishment, jurisdiction and Powers (Article 124-145), High Courts in the States (Article 214-231), Concept & Evolution of Public Interest Litigation	15

LEADING CASES

1. Gaurav Jain v. Union of India, AIR 1997 SC 3021
2. Valsamma Paul v. Cochin University, AIR 1996 SC 1011
3. Supreme Court Advocates on Record Association v. Union of India, AIR 1994 SC 268
4. Indra Sawhney v. Union of India, AIR 1993 SC 477

SUGGESTED READINGS

1. Durga Das Basu: *Introduction to the Constitution of India*, LexisNexis, India, 2019
2. M.C. Jain Kagzi: *The Constitutional of India, India Law House*, New Delhi, 2019
3. Durga Das Basu: *Shorter Constitution of India, Prentice-Hall of India*, New Delhi, 2018
4. M. P. Jain*: Indian Constitutional Law*, LexisNexis, Gurugram, 2018
5. Prof. M. P. Singh: *V.N. Shukla's Constitution of India*, Eastern Book Company, Lucknow, 2017
6. M. V. Pylee: *Constitutional Amendments in India*, Universal Law Publishing Co. Pvt. Ltd, New Delhi, 2017
7. H. M. Seervi: *Constitutional Law of India.* Universal Law Publishing Co. Pvt. Ltd, 2015
8. J. N. Pandey: *Constitutional Law of India*, Central Law Agency, Allahabad, 2014
9. M. V. V. Ramana: *Inter-State River Water Disputes in India*, Orient Blackswan Private Limited, New Delhi, 2009
10. Jagdish Swarup: *Constitution of India*, Modern Publications, New Delhi, 2006
11. Shibanikinkar Chaube: *Constituent Assembly of India, Manohar Publishers & Distributors*, New Delhi, 2002
12. Zoya Hasan & E. Sridharan (eds.*): India's Living Constitution: Ideas, Practices, Controversies*, Permanent Black Publishers, Delhi, 2002
13. M.V. Pylee: *Our Constitution Government & Politics*, Universal Law Publishing Co. Pvt. Ltd., New Delhi, 2000
14. P. D. Mathew: *Fundamental Rights in Action*, Indian Social Institute, New Delhi, 1996

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAW OF TORTS INCLUDING MV ACCIDENT AND THE CONSUMER PROTECTION ACT, 2019							Course Code: SL LAW 03 01 05 C 4105
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**I**	**4**	**1**	**0**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	This subject aims to make students understand the nature of tort and conditions of liability with the help of leading case laws. Law of Torts is a diverse subject that includes a wide range of civil claims concerning conduct, which is happening around us every day. This course is designed to study the fundamental principles of tortious liability, the defenses available in an action for torts, and the capacity of parties to sue and be sued. This course is designed to study specific torts against the individual and property. Further, the law of torts has an added significance because Consumer Protection Laws are also included to equip the students to handle issues relating to this branch of law.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand the rights and duties of individuals in a society. **2.** Understand the difference between civil and criminal wrongs. **3.** Understand the law of torts as a separate branch of civil law remedy. **4.** Understand the various types of remedies available to an aggrieved person for a wrong committed against him. **5.** Understand the hierarchy of courts and appropriate forum for the redressal of wrong in torts. **6.** Understand the case laws with proper facts, arguments, observations, findings and decisions.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Definition, nature and development of Tort, General Defences, Capacity, Remedies, Damages, Claim, Compensation, General conditions of tortious liability, General conditions negating tortious liability	20

II	Trespass to person, Battery, Assault and False Imprisonment, Malicious Prosecution, Defamation, Trespass to goods, Death in Relation to Tort	20
III	Liability for dangerous premises, chattels and animals, Trespass to immovable property, Nuisance, Negligence including contributory negligence, Vicarious Liability, Vicarious Liability of State, Strict Liability, Absolute Liability, Remoteness of Damage	20
IV	Compensating provisions under The Motor Vehicle Act, 1988 (With Latest Amendments) Compulsory Insurance, Nature and Extent of Insurer's liability, Insurer's liability for use of the vehicle in a public place, claims tribunal, The Consumer Protection Act, 2019 (With Latest Amendments)- Meaning, Scope and Importance, Consumer Law, Preliminary, Consumer Protection Councils, Disputes Redressal Commission /Agencies, Mediation, Product Liability, Remedies and Penalties	15

LEADING CASES

1. Indian Medical Association v. V.P. Shantha & Others, AIR 1996 SC550
2. Lucknow Development Authority v. M.K. Gupta, AIR 1994 SC787
3. M.C. Mehta v. Union of India, AIR 1987 SC1086
4. Rudul Shah v. State of Bihar, AIR 1983 SC 1086
5. Ratlam Municipality v. Vardhi Chand, AIR 1980 SC1622
6. Ashby v. White, (1703) 2 LR 930

SUGGESTED READINGS

1. J. N. Pandey: *Law of Torts*, Central Law Publications, Allahabad, 2019
2. R. K. Bangia: *A Handbook of Consumer Protection Laws & Procedure for the Lawman & the Layman*, Asian Offset Press, Faridabad, 2018
3. R. K. Bangia: *Law of Torts (Including Compensation under The Motor Vehicles Act and Consumer Protection Laws)*, Allahabad Law Agency, Allahabad, 2018
4. S. K. Kapoor: *Law of Torts*, Central Law Agency, Allahabad, 2016
5. Ratanlal & Dhirajlal (Revised by Akshay Sapre): *Ratanlal and Dhirajlal's The Law of Torts*, LexisNexis, Gurugram, 2016
6. Avtar Singh: *P. S. A. Pillai's Law of Tort*, Eastern Book Company, Lucknow, 2008
7. Kumud Desai: *Law of Torts* (An Outline with Cases), N.M. Tripathi, Bombay, 1985

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: COMPUTER FUNDAMENTALS AND INFORMATION TECHNOLOGY LAW							Course Code: SL LAW 03 01 01 E 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**I**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The primary focus of this course will be on studying information technology law. In addition, there will be an insight into the applicability of other laws in the digital environment. The learning outcome of the course will be understanding the provisions of Information Technology laws provided to facilitate electronic commerce - electronic signatures, data protection, cyber security; penalties & offenses under the IT Act, dispute resolution, and other contemporary issues.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get knowledge about the role of law in technology, especially the internet and is designed to give a brief overview of the historical aspects of the internet. **2.** Acquaints with the regulation of the digital environment. **3.** Get knowledge about Specific legal issues related to information technology. **4.** No about human rights issues of information technology. **5.** Know the scope of tort of defamation through digital media. **6.** Get knowledge about privacy issues of information technology.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Computer Fundamentals: Computer Software and Hardware, Operating System, Information System, Basics of Internet, How the Internet works, How Information Travels on the Internet, Concept of Domain name, Use of the Internet in Legal profession	15
II	Nature and scope of cyber-crimes, Types of cyber-crimes, Internet scams, Spreading viruses, Hacking and Cracking, Document Forging, Pornography on the Internet, Domain Issues, Internet Security, Cryptography, Private Key and Public Key, Encryption Algorithms, Basics of Electronic Commerce, Making Contracts Online.	15
III	Concept of Cyber World and Intellectual Property in Cyber space, Freedom of Speech and Expression on the Internet, Privacy Issues and Threats in the Global Network Society	15

	The Information Technology Act, 2000 (With Latest Amendments), Historical Background of the Act, Object and Scope of the Act, Digital signatures, Electronic Governance	
IV	Attribution, Acknowledgement and Dispatch of E-Records, Issuance, Acceptance, Suspension and Revocation of the digital signature certificate, Regulation of Certifying Authorities, Power of Central Government to make rules, Offence under information Technology Act, 2000, Penalties and adjudication, Cyber Regulation Appellate Tribunal: Composition, Qualification, Term of office, Procedure and Powers of the Tribunal, Appeals to and from the Tribunal, Liability of Network Service Providers	15

LEADING CASES

1. Rediff Communication Ltd. v. Cyber booth and another, AIR 2000 Bom.27
2. Yahoo Inc. v. Akash Arora and Anr., 1999 (19) PTC 201
3. Saptagiri Enterprises v. C.I.T., (1991) 189 ITR 705 (A.P.)
4. United States v. Morris, 928 F. 2d 504, 505 (2nd Cir. 1991)

SUGGESTED READINGS

1. Barkha Bhasin & Rama Mohan Ukkalam: *Cyber Law & Crimes*, Asia Law House, 2017
2. Pavan Duggal: *Cyber Law-An exhaustive section wise Commentary on the Information Technology Act along with Rules, Regulations, Policies, Notifications, etc*., Universal Law Publishing Co. Pvt. Ltd., New Delhi, 2017
3. Vakul Sharma*: Information Technology Law and Practice*, Universal Law Publishing Co. Pvt. Ltd., New Delhi, Lexis Nexis, Gurugram, 2016
4. Apar Gupta (Revised by Akshay Sapre): *Commentary on Information Technology Act-Along with Rules, Regulations, Orders, Guidelines, Reports and Policy Documents*, LexisNexis India, Gurugram, 2016
5. Aparna Viswanathan: *Cyber Law (Indian & International Perspectives on key topics including Data Security, E-commerce, Cloud Computing and Cyber Crimes*), LexisNexis India, Gurugram 2015
6. Advocate Prashant Mali: *Cyber Law and Cyber Crimes (Information Technology Act, 2000 with IT Rules, 2011)*, Snow White Publications Pvt. Ltd., Maharashtra (2015)
7. Anirudh Rastogi: *Cyber Law of Information Technology and Internet*, LexisNexis India, Gurugram, 2014
8. Alwyn Didar Singh*: E-Commerce in India: Assessments and Strategies for The Developing World*, LexisNexis India, Gurugram, 2008

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: MEDIA AND LAW						Course Code: SL LAW 03 01 02 GE 4004	
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**I**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	The present course seeks to establish a co-relationship between the constitutional objective of free speech and expression with that of media, which is deemed to be the fourth pillar of democratic governance. In addition to this, the course also includes the idea of the Right to Information Act which enshrines within itself the right to know which is considered by the Apex Court as an imperative right in a democracy. The digitization of media results in manifold issues owing to the large audience that it caters to. This course herein discusses these issues extensively in form of broadcasting and censorship criteria. At the same time, the course herein caters to the emerging trends in media in the wake of Information and Communication Technology and its impact on the changing media structures.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Create an understanding of the Constitutional foundations of freedom of speech and media. **2.** Appreciate the relevance of reasonable restrictions on the expanding media rights. **3.** Comprehend the legislative framework regarding media. **4.** Develop knowledge about the role and application of RTI. **5.** Analyze the laws governing print media, electronic media and online media and issues about the expanding horizons of media rights.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Freedom of speech and expression and its expanding scope including Right to Information, Significance of Right to Information in Democracy, Constitutional Restrictions on Press and Media.	15
II	Privacy vis-a-vis Media, Need for Strict Social Media laws, Media Trial and Judiciary, Right to Information and the role of media.	15
III	Broadcasting Media regarding The Cable TV Network (Regulation) Act 1995 and Role of BCCC, Media and Censorship regarding The Cinematograph Act, 1952	15

IV	Right to Information with special reference to The Right to Information Act, 2005, Role and Protection of Whistleblowers.	15

SUGGESTED READINGS

1. V.N. Shukla, *Constitution of India*, Eastern Book Company, 12th Edition, 2013
2. Durga Dass Basu, *Commentary on the Constitution of India*, Lexis Nexis Butterworths Wadhwa, 2011
3. M.P. Jain, *Indian Constitutional Law*, Lexis Nexis Butterworths Wadhwa, 6th Edition, 2010
4. P.K. Saini, R. K. Gupta, *Right to Information Act, 2005: Implementation and Challenges*, Deep and Deep Publications, 2009
5. Madabhushi Sridhar, *Madabhushi Sridhar Acharyulu's Right to Information*, Lexis Nexis, 2007
6. Umar Sama, *Law of Electronic Media*, Deep & Deep Publication Pvt. Ltd., 2007
7. Vikram Raghavan, *Communications Law in India (Legal Aspects of Telecom, Broadcasting and Cable Services)*, Lexis Nexis, 2007
8. Eric Barendt, *Freedom of Speech*, Oxford University Press, 2006
9. Madhavi Divan, *Facets of Media Law*, Eastern Book Company, Lucknow, 2006
10. H.M. Seervai, *Constitutional Law of India*, Universal Law Publishers, 2005
11. Robertson and Nicol, *Media Law*, Sweet & Maxwell, 4th edition, 2002
12. V.Nelson, *The Law of Entertainment and Broadcasting*, Sweet & Maxwell, 2nd Edition, 2000
13. Soli. J. Sorabjee, *the Law of Press Censorship in India*, N.M. Tripathi Pvt Ltd., 1976

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-II

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Law of Crimes (Indian Penal Code)– II	SL LAW 03 02 06 C 4004	4	0	0	4
2	Law of Contract- II, Including Sales of Goods Act, 1930 and Indian Partnership Act, 1932	SL LAW 03 02 07 C 4004	4	0	0	4
3	Family Law- II Including The Maintenance and Welfare of Parents and Senior Citizens Act, 2007	SL LAW 03 02 08 C 4004	4	0	0	4
4	Constitutional Law of India- II	SL LAW 03 02 09 C 4004	4	0	0	4
5	Administrative Law Including RTI Act, 2005	SL LAW 03 02 10 C 4004	4	0	0	4
Course Code Elective Course(s)						
1	Cyber Law	SL LAW 03 02 03 E 4004	4	0	0	4
2	Health Law	SL LAW 03 02 04 GE 4004	4	0	0	4

Course Name: LAW OF CRIMES (INDIAN PENAL CODE) - II				Course Code: SL LAW 03 02 06 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**II**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	This course is designed to cover constituents of crime, the principle of joint liability, Jurisdiction, the concept of inchoate crimes like abetment, conspiracy, attempt, the general exceptions and various offenses covered under IPC. Through classroom teaching, reading and analyzing landmark and latest judgments, an endeavour has been made to inculcate the habit of referring to sources of law. Through internal and external evaluation coupled with preparation and presentation of projects related to course content as well as inter disciplinary topics, this paper seeks to strengthen the learning ability of the students.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get knowledge of offenses covered under the Indian Penal Code, their essentials and punishments provided for them. **2.** Develop the problem-solving skills. **3.** Develop the analytical ability and critical thinking ability. **4.** Practice of criminal law and preparation of State Judicial Service and UPSC Exams. **5.** Develop the research abilities. **6.** Make comparative analysis of the subject as many wrongs covered as offenses under IPC are also civil wrongs under the law of torts or various other special laws.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Criminal force and Assault (Section 349-358), Kidnapping, Abduction **(**Section 359-368), Sexual offenses (Section 375-376), Theft, Extortion (Section 378-389).	15
II	Robbery and Dacoity (Section 398-402), Criminal Misappropriation and Criminal Breach of Trust (Section 403-409) Receiving of Stolen Property (Section 410-414), Cheating (Section 415-420)	15
III	Mischief (Section 425-440), Criminal Trespass (Section 441-462), Forgery (Section 463-465), Making a false document (Section 464), Forged documents (Section 470), Offences relating to Property marks (Section 479-489)	15

IV	Offenses relating to marriage (Section 493-498-A), Defamation (Section 499-502), Criminal Intimidation, etc., (Sec 503-510), Attempt (Sec. 511)	15

LEADING CASES

1. Wazir Chand v. State of Haryana, AIR 1989 SC. 378
2. Kedar Nath v. State of Bihar, AIR 1962 SC 955
3. Shyam Bihari v. State of U.P., AIR 1957 SC.320
4. Barendra Kumar Ghosh v. Emperor, (1925) 26 Cr. L.J. 431; AIR 1925 P.C.I.

SUGGESTED READINGS

1. K.D. Gaur: *Textbook on Indian Penal Code*, Universal /Lexis Nexis, Gurugram, 2020
2. N.V. Paranjape: *Indian Penal Code*, Central Law Publications, Allahabad, 2019
3. K.D. Gaur: *Commentary on the Indian Penal Code*, Central Law Publications, Allahabad, 2019
4. K. A. Pandey: *B.M. Gandhi Indian Penal Code*, Eastern Book Company, 2019
5. S.R. Myneni: *Law of Crimes (Indian Penal Code, 1860),* Asia Law House, Hyderabad, 2019
6. Prof. S.N. Misra: *Indian Penal Code*, Central Law Publications, Allahabad, 2018
7. R. N. Saxena: *Indian Penal Code*, Central Law Publications, Allahabad, 2017
8. Harish Chander: *The Indian Penal Code-A Critical Commentary*, Eastern Law House, Kolkata, 2017
9. Justice K.T. Thomas, M. A. Rashid: *Ratanlal & Dhirajlal -The Indian Penal Code*, LexisNexis Gurugram, India, 2017
10. K. S. N Murthy & K. V. S Sarma: *KSN Murthy's Criminal Law (Indian Penal Code),* LexisNexis, Gurugram, 2017
11. P. S. A. Pillai: *Criminal Law-Incorporating the Criminal Law (Amendment) Act, 2013*, LexisNexis India, Gurugram, 2017
12. S. R. A. Rosedar: *Indian Penal Code Paperback*, LexisNexis India, Gurugram, 2016
13. C.K. Takwani: *Indian Penal Code*, Eastern Book Company, Lucknow, 2014
14. Ratanlal & Dhiraj Lal (General Editor Versha Vahini): The *Indian Penal Code*, Lexix Nexis, Gurugram, 2014

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAW OF CONTRACT- II, INCLUDING THE SALE OF GOODS ACT, 1930 AND THE INDIAN PARTNERSHIP ACT, 1932							Course Code: SL LAW 03 02 07 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**II**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	As has already been examined in the last semester through an intensive study of the general principles of contract, the essence of all commercial transactions is regulated by the law of contract. The expansion of commercial activities in a global market environment makes the understanding of the law of contract even more critical. Further, a lucid understanding of the fundamental principles of Special Contracts facilitates not only resolving the disputes arising out of such contracts but also in the drafting of contractual instruments. The law of Special Contracts is marked by the peculiar and mostly predictable legal relationship subsisting between the parties. The frequency of these kinds of transactions in the affairs of men has led to the development of established rules of prescriptions and prohibitions determining the implications and permissible possibilities of these kinds of contractual relations. The fundamental principles of contractual relations continue to apply the special forms of the contract unless specifically excluded; as in the case of the rule of consideration in the case of a contract of agency.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Acquaint with the basics of Special Contracts. It enables them to grasp the nuances of the contractual transactions involving these forms of contracts. **2.** Determine the legality of the transactions and also the rights and duties of the parties hereto. **3.** Deal with the disputes arising out of such contractual arrangements. **4.** Understand the applicability of contract law in day-to-day life. **5.** Equip with the implication of contract law to enable them to deal effectively with the various disputes related to contracts in diverse fields.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.

I	Contract of Indemnity-Definition and scope, Rights of indemnity-holder (Section 124-125), Contract of Guarantee-Definition and scope, Essential features, Comparison of the contract of guarantee and indemnity, Continuing Guarantee, Extent of surety`s liability, Modes of Discharge of surety, Rights of Surety, Rights of surety against the creditor, principal debtor and co sureties (Section 126-147)	15
II	**Bailment**: Definition and scope, Essential features of Bailment, Kinds of Bailee-Banker, Factor, Wharfinger, Attorneys, Policy-brokers and Carriers, Duties and rights of Bailor, Duties and rights of Bailee, Finder of lost goods (Section 148-171) **Pledge**: Definition and scope, Pawner`s right to redeem, Rights of Pawnee, who can pledge: Pledge by mercantile Agent, Pledge by the person in possession under voidable contract, Pledge by Pledgee (Section 172-181) **Agency-** Definition and scope, essential features of agency, Kinds of an agent, delegation of authority-sub-agent and substituted agent, Modes of creation of the agency, Agency by ratification, revocation of authority, Agents duty to Principal, Principal's duty to agent, Effects of Agency on Contracts with third persons, Personal Liability of Agent, Termination of Agency-revocation, renunciation by operation of Law (Section 182-238)	15
III	**The Sale of Goods Act, 1930:** (With Latest Amendments) Concept of Sale, formation of contract (Section 4-10), Sale and Agreement to sell, conditions and warranties including implied conditions and warranties (Section 11-17), Transfer of Property in goods and title (Section 18-30), Passing of risk, C.I. F Contracts, F.O.B. contracts and Ex-ship contracts. Performance of the Contracts (Section 31-44), Rights of unpaid seller against the goods, Right to Lien, Right of stoppage of goods in transit, Right of re-sale (Section 45-54), Suit for Breach of contract (Section 55-61)	15
IV	**The Indian Partnership Act, 1932:** (With Latest Amendments) Nature of Partnership, Essentials of Partnership (Section 4-8), Partnership compared with co-ownership, Company, Joint Hindu Family Business, Relations of Partners to one another (Section 9-17), Relations of partners to third parties including the principle of "holding out", Minor admitted to the benefits of Partnership (Section 18-30), Incoming and Outgoing Partners (Section 31-38), Dissolution of Firms-meaning and scope, modes of Dissolution of the firm, Registration and Non-Registration	15

LEADING CASES

1. Aluminium Industries Ltd. v. Minerals and Metals Trading Corporation of India Ltd., AIR 1998 Mad.239
2. M.R. Chakrapani v. Canara Bank, AIR 1997 Kant 216
3. Loonkaran Sethiya v. Even E. John, AIR 1997 SC 337
4. Harshed J. Shah v. LI.C., (1997) 5 SCC 64
5. United Commercial Bank v. Hem Chandra Sarkar, (1990) 3 SCC 1329

SUGGESTED READINGS

1. Avtar Singh: *Law of Contract & Specific Relief,* Eastern Book Company, Lucknow, 2020
2. R.K. Bangia: *Contract,* Allahabad Law Agency, Allahabad, 2020
3. J. Beatson, Andrew Burrows & John Cartwright: *Anson's Law of Contract,* Oxford University Press, London, 2020
4. H. K. Saharay: *Dutt on Contract-The Indian Contract Act, 1872*, Eastern Law House, Kolkata, 2018
5. Pollock & Mulla (Revised & edited by Nilima Bhadbhade): *Indian Contract Act, 1872*, Lexis Nexis, Gurugram, 2014
6. H. G. Beale and Joseph Chitty: *Chitty on Contracts: General Principles*, Sweet & Maxwell, London, 2008
7. M. Krishnan Nair: *Indian Contract Law,* Orient Longman, Hyderabad, 2005
8. G. H. Treitel: *The Law of Contract*, Sweet & Maxwell, London, 2003
9. Venkoba Rao (Revised by S. C. Srivastava): *Law of Agency*, LexisNexis, Gurugram, 2001
10. T. S. Venkatesa Iyer: *Lectures on Law of Contract,* Asia Law House, Hyderabad, 1983

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: FAMILY LAW- II, INCLUDING THE MAINTENANCE AND WELFARE OF PARENTS AND SENIOR CITIZENS ACT, 2007							Course Code: SL LAW 03 02 08 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**II**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	Family is the basic unit of Indian society. Family members lived together with certain rights and duties towards each other as well as towards society. Subject of family law is important to understand those rights and obligations. This subject is also important to understand the various reliefs in family disputes.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Prepare for judicial services examination of Civil Law-II, preparation. **2.** Prepare for various other competitive examinations. **3.** Get specific knowledge as practicing lawyer in family matters. **4.** Participate in mediation and conciliation of family disputes.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Muslim Law and its Sources, Statutory Application of Muslim Law including the Muslim Personal Law (Shariat) Application Act, 1937, Schools of Muslim Law in India, Muslim Marriage (Nikah), its legal requirements including all forms of Marriage and Legal impediments thereon, effects of marriage	15
II	Dower: Its characteristics and enforcement, Post Marriage Conversion to Islam and Post Marriage renunciation of Islam, Divorce: Its forms in Muslim Law of India, including divorce by wife outside and through courts under the Dissolution of The Muslim Marriages Act, 1939, Post-Divorce Rights of parties including iddat period, remarriage, maintenance including the Muslim Women (Protection of Rights on Divorce) Act, 1986 and Maintenance of Wife and Widow under Ss. 125-128 of Cr. P.C., 1973, Salient Features of The Maintenance and Welfare of Parents and Senior Citizens Act, 2007 (With Latest Amendments)	15

III	Parent-Child relations including acknowledgment of paternity and concept of Legitimacy, Concept of Minority and puberty including guardianship and custody of minor's person and/or property, Parents maintenance under Muslim Law and Cr. P. C. Ss 125-128, Disposition of property including gifts (Hiba), debts and bequests (Wasiyat), revocation and lapse of legacies, the bequest to heirs, and bequeathable third and death-bed transactions, Muslim Law of inheritance including Women's right to inherit and disqualification of heirs; Muslim Law on Increase and return, Muslim Law relating to wakfs and their administration including The Wakf Act, 1995	15
IV	Salient features of The Family Courts Act 1984 Including their composition, jurisdiction and procedure of adjudication, Civil Marriage Law, especially the Special Marriage Act, 1954, including essential requirements for solemnization and/or registration of marriage and consequences of Marriage under the Act, Relevant provisions of the Indian Succession Act, 1925 pertaining to wills and legacies including probate and letters of administration.	15

LEADING CASES

1. Begum Subhanu v. Abdul Ghafoor, AIR 1987 SC 1103
2. Kapoor Chand v. Kidar Nissa, AIR 1953 SC 413
3. Syed Sabir Husain v. Farzand Hasan, AIR 1938 PC 80
4. Maina Bibi v. Ch.Vakil Ahmad, (1924) 52 1A 145

SUGGESTED READINGS

1. Kusum: *Family Law Lectures-Family Law I*, LexisNexis India, Gurugram, 2019
2. Paras Diwan & Peeyushi Diwan: *Family Law*, Allahabad Law Agency, Faridabad, 2018
3. M. A. Qureshi: *Muslim Law*, Central Law Publication, Allahabad, 2018
4. Poonam P. Saxena: *Family Law Lectures-Family Law II*, LexisNexis India, Gurugram, 2018
5. G.V. Subba Rao & Dr. Vijender Kumar: *G. C. V. Subba Rao's Family Law in India*, S Gogia & Company, Hyderabad, 2018
6. B.R. Verma: *Commentaries on Mohammedan Law in India, Pakistan and Bangladesh*, Law Publishers (India) Pvt. Ltd., Allahabad, 2017
7. Kahkashan Y. Danyal: *Muslim Law of Marriage, Dower, Divorce and Maintenance*, Regal Publications, New Delhi, 2015
8. Kahkashan Y. Danyal: *Law of Waqfs in India*, Regal Publications, New Delhi, 2015
9. Sir Dinshaw Fardunji Mulla: *Principles of Mahomedan Law- Incorporating the Wakf (Amendment) Act, 2013*, LexisNexis India, Gurugram, 2014
10. Abdur Raheem: *Muhammedan Jurisprudence*, Allahabad Law Agency, Faridabad, 2014
11. Flavia Agnes, Family Law: *Volume 2: Marriage, Divorce and Matrimonial Litigation*, Oxford University Press, 2012)
12. Flavia Agnes, Law, Justice and Gender: *Family Law and Constitutional Provisions in India*, Oxford University Press, 2011
13. Paras Diwan: *Law of Marriage and Divorce*, Universal Law. Publishing Co. Pvt. Ltd., New Delhi, 2011
14. Tahir Mahmood: *Fyzee's outlines of Muhammedan Law*, Oxford University Press, New Delhi, 2009
15. Ameer Ali: *Mahommedan Law*, Vol. I, Kitab Bhavan, New Delhi, 1986
16. Kumud Desai: *Law of Marriage and Divorce*, N.M. Tripathi Pvt. Ltd., Bombay,1982

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CONSTITUTIONAL LAW OF INDIA– II				Course Code: SL LAW 03 02 09 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**II**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The Constitution of India is the supreme law of the country. This course describes the necessary fundamental concepts and doctrines of Constitutional Law. It also describes and analyses the division of powers, functions and responsibilities of the three organs of the country i.e. the Executive, the Legislature and the Judiciary and explains the relationship between all these democratic organs. The students will be provided about the parliamentary process to make laws and the official language adopted by the Constitution.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Equip with research and legal acumen. **2.** Develop an analytical approach to different judgments of the Hon'ble Supreme Court and High Court. **3.** Know the foundation of socio, political and economic analysis of different policies and legislation will be developed. **4.** Get a synthesis of the Rights and Duties of a Citizen.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Relations between the Union and the States (Art. 245-289), Legislative Relations (Art. 245-255), Administrative Relations (Art. 256-263), Financial Relations (Art. 268-289)	15
II	Parliamentary Privileges (Art. 105 & 194), the Union Government (Art. 52-151), the State Government (Art. 152-213), Amendment of the Constitution (Art. 368)	15
III	Freedom of Trade, Commerce and Intercourse (Art. 301 to 307), Services under the Union and the States (Art. 309-323), Emergency Provisions (Art. 352-360) and Article 370	15
IV	Elections: Superintendence, direction and control of elections (Art. 324 to 329A), Property, Contracts, Rights, Liabilities, Obligations and Suits (Art. 294 to 300), Basic structure of the constitution, Various Constitutional Commissions, Definitions (Article 366), Official Languages (Art. 343-351)	15

LEADING CASES

1. S.R. Bommai v. Union of India, AIR 1994 SC 1918
2. Kihota Hollohon v. Zachilhu, AIR 1993 SC 412
3. Keshavananda Bharti v. Union of India, AIR 1973 SC 1461
4. Kasturi Lal v. State of Uttar Pradesh, AIR 1965 SC 1039

SUGGESTED READINGS

1. Durga Das Basu*: Introduction to the Constitution of India*, LexisNexis, Gurugram, 2019
2. M.C. Jain Kagzi*: The Constitutional of India*, India Law House, New Delhi, 2019
3. M. P. Jain: *Indian Constitutional Law*, LexisNexis, Gurugram, 2018
4. M. P. Singh: *V.N. Shukla's Constitution of India*, Eastern Book Company, Lucknow, 2017
5. M. V. Pylee: *Constitutional Amendments in India* Universal Law. Publishing Co. Pvt. Ltd., New Delhi, 2017
6. J. N. Pandey: *Constitutional Law of India*, Central Law Agency, Allahabad, 2014
7. Jagdish Swarup: *Constitution of India*, Modern Publications, New Delhi, 2006
8. Shibanikinkar Chaube: *Constituent Assembly of India*, Manohar Publishers & Distributors, New Delhi, 2002
9. M.V. Pylee: *Our Constitution Government & Politics*, Universal Law Publishing Co. Pvt. Ltd., New Delhi, 2000
10. P. D. Mathew: *Fundamental Rights in Action*, Indian Social Institute, New Delhi, 1996

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: ADMINISTRATIVE LAW INCLUDING THE RTI ACT, 2005							Course Code: SL LAW 03 02 10 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**II**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	The modern State is a welfare state. The expansion in the functions of the state and enormous powers of the administration has given the tremendous capacity to the administration to affect the rights and liberties of the individual. The present course aims to bring home the idea that good governance is based on the principles of rule of law, separation of powers, transparency, accountability and fairness. The fundamentals of Administrative Law, its development and its relationship with Constitutional Law are elucidated. Furthermore, the importance of administrative rule making, administrative adjudication and judicial review are analyzed as important pillars of administrative law.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Develop an understanding of Administrative law as a separate legal discipline. **2.** Analyze the growth of Administrative law in different jurisdictions for a comparative outlook. **3.** Comprehend the importance of administrative rule making and administrative adjudication. **4.** Appreciate the significance of principles of transparency, natural justice, accountability and fairness in a good governance administration. **5.** Understand the relevance of administrative discretion in modern governance and its controls.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Introductory- Nature and Scope of Administrative Law, Rule of Law, Doctrine of Separation of powers, Delegated Legislation: Necessity, Scope, Legal forms, Reasons for growth and Constitutional limits of Delegated Legislation, Judicial, Parliamentary and other Controls over delegated legislation, Sub Delegation	15
II	The Concept of Natural Justice: The Rule against Bias-Personal bias, Pecuniary bias, Institutional bias, Tests of Bias, Exceptions to the Rule, Right of Fair Hearing: applicability,	15

	General Contents of fair hearing, exceptions to the Rule, Exclusion of Judicial Review, Reasoned Decision, The Doctrine of Legitimate Expectation, The Doctrine of Proportionality, Fair Hearing in Service matters, Relationship between Reasonableness and proportionality	
III	Discretionary powers: Failure to exercise discretionary power, Prevention of Abuse of Discretion, Scope of Wednesbury principle, Administrative Tribunals: Reason for growth of Administrative Tribunals, Judicial Control over Administrative Tribunals, Judicial Review of Administrative Actions through Writs: Writ of Habeas Corpus, Writ of mandamus, Writ of Prohibition, Writ of Certiorari, Writ of quo warranto, High Court Powers of Superintendence	15
IV	Liability of the State and Public Authorities in Tort, Misfeasance in public office, Contractual liability of the State, Promissory Estoppel, Government Privileges in legal proceedings, Public Undertakings: Types, Control (Parliamentary Judicial & Governmental), Ombudsman-Lokpal and Lokayukta, Central Vigilance Commission, Powers of Investigation and Enquiry, Leading provisions of The Right to Information Act, 2005 (With Latest Amendments)	15

LEADING CASES

1. Union of India v. Cyanamide India Ltd., AIR 1987 SC 1802
2. S.P. Gupta v. Union of India, AIR 1982 SC 149
3. Maneka Gandhi v. Union of India, AIR 1978 SC 597
4. Sukhdev Singh v. Bhagat Ram, AIR 1975 SC 1331

SUGGESTED READINGS

1. Durga Das Basu & S P Sen Gupta: *Administrative Law*, Kamal Law House, Kolkata, 2019
2. J. J. R. Upadhaya: *Administrative Law*, Central Law Agency, Allahabad, 2019
3. U. P. D. Kesari: *Administrative Law*, Central Law Publication¸ Allahabad, 2018
4. I. P. Massey: *Administrative Law*, Eastern Book Company, Lucknow, 2018
5. K. C. Joshi: *Administrative Law*, Central Law Publication, Allahabad, 2018
6. Kailash Rai: *Administrative Law*, Central Law Publication, Allahabad, 2018
7. Paras Diwan: *Administrative Law*, Allahabad Law Agency, Delhi, 2018
8. M. P. Jain and S. N. Jain: *Principles of Administrative Law*, LexisNexis Buttersworth Wadhwa, Nagpur, 2017
9. V. N. Shukla: *Constitution of India*, Eastern Book Company, Lucknow, 2017
10. A. B. Kafaltiya: *Textbook on Administrative Law*, Universal Law Publishing, New Delhi, 2016
11. Yashomati Ghosh: *Textbook on Administrative Law*, LexisNexis, Gurugram, 2015
12. M. C. Jain Kagzi: *The Indian Administrative Law*, Universal Law Publishing Company Pvt. Ltd. New Delhi, 2014
13. H. W. R. Wade & C. F. Forsyth: *Administrative Law*, Oxford University Press, UK, 2014
14. Abhishek Baplawat: *Administrative Law*, Wisdom Press, New Delhi, 2014
15. K. Thakker: *Administrative Law*, Eastern Book Company, Lucknow, 2012
16. Peter Cane: *Administrative Law*, Oxford University Press, UK, 2011
17. C. K. Takwani: *Lectures on Administrative Law*, Eastern Book Company, Lucknow, 2010
18. Elizabeth Giussani: *Constitutional and Administrative Law*, Sweet & Maxwell, London, 2008
19. A. Kumari Krishna: *Judicial Activism: Need for Reforms*, ICFAI University Press, 2008

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CYBER LAW							Course Code: SL LAW 03 02 03 E 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**II**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	Gain an understanding of the underlying philosophy of cyber law and its relation to information technology. Facilitate an overall understanding of the need for regulation of information technology in India, the basic idea of information technology and its relation to other areas focussing on human rights. It also provides professional solutions to real-time problems like defamation. Acquaint with legal challenges arising out of privacy issues. Awareness about the various kinds of cyber-crimes and legal issues and cases.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Apply the provisions of the Information Technology Act, 2000 in effective manner. **2.** Identify the need for regulation of Information technology and various regulatory models. **3.** Evaluate as against others the interface between different human rights instruments and challenges faced by information technology. **4.** Analyse the laws related to defamation through information technology. **5.** Propose a solution to privacy-related issues due to the use of computer technology. **6.** List out the legal challenges of the information society and the different forms of cyber-crimes.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Introduction** Basic concept of Technology and Law, Understanding the Technology, Scope of Cyber Laws, Cyber Jurisprudence, Understanding Electronic Contracts, The Indian Law of Contract, Types of Electronic Contracts, Construction of Electronic Contracts	15
II	**IPR in Cyber Space** Copyright in Information Technology: Copyright on the internet, Software Piracy, Multimedia and copyright issues, Patents: Indian position on computer-related patents, the International context of patents, Trademarks: Trade Mark Law in India, Infringement and passing off	15

III	The Information Technology Act, 2000 (With Latest Amendments), Digital Signature, E-Governance, Regulation of Certifying Authorities, Duties of Subscribers, Penalties and Adjudication, Offences under the Act, Power of Making of Rules and Regulation	15
IV	**Cyber Crimes** Understanding Cyber Crimes, Crime in the context of the Internet, Types of Crime on the Internet, Indian Penal Law & Cyber Crimes: Fraud, Hacking, Mischief, Trespass, Defamation, Stalking, Spam, Issues of Internet Governance, Freedom of Expression on the Internet, International position on Free Speech on the Internet, Issues of Censorship, Hate Speech, Sedition, Libel, Subversion, Privacy Issues	15

LEADING CASES

1. Shreya Singhal v. Union of India, AIR 2015 SC 1523
2. Sanjay Kumar v. State of Haryana, CRR No.66 of 2013 (O&M) 1
3. Firos v. State of Kerala, AIR 2006 Ker 279
4. Bhim Sen Garg v. State of Rajasthan and Others, [2006 Cri LJ 3643]
5. Syed Asifuddin and Ors. v. The State of Andhra Pradesh and Anr., 2005 Cri LJ 4314

SUGGESTED READINGS

1. Parshan Mali: C*yber Law & Cybercrimes simplified*, cyber Info media, Mumbai, 2017
2. Vakul Sharma: *Information Technology Law and Practice*, Universal/Lexis Nexis, Gurugram, 2016
3. S.R. Bhansali: *Information Technology Act*, Universal Law Publishing - An imprint of LexisNexis, Gurugram, 2015
4. Anirudh Rastogi: *Cyber Law of information technology and Internet*, Lexis Nexis, Gurugram, 2014

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: HEALTH LAW				Course Code: SL LAW 03 02 04 GE 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**II**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	Health and well-being are deeply personal matters but being on the receiving end of it is what gives us new awareness of various aspects related to health. Every human has a right to the highest attainable standard of physical and mental health. This right to health has thus evolved a whole system for protection of health.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Use the right to health as fundamental right. **2.** Get knowledge about the practitioner in the public and private health sector. **3.** Work as practicing lawyers for health matters specifically. **4.** Give legal opinion on issues involving health and the right to health.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Medicine and Healthcare, Healthcare as an Issue at the National and International Level, Constitutional Provisions, Right to Health as a Fundamental Right, Remedies Available under the Indian Constitution, Right to Health vis-a-vis the Right to Confidentiality, Access to Medical Records	15
II	Professional Obligations of Doctors, Transplantation of Human Organs Act, 1994, Pre-Conception and Pre Natal- Diagnostic Techniques (Prohibition of Sex Selection) Act, 1994, The International Code of Medical Ethics, Indian Medicine Central Council Act, 1970, Dentists Act, 1948	15
III	The Homeopathy Central Council Act, 1973, The Drugs and Cosmetics Act, 1940, Medical Negligence, Ingredients, Role of Consent in Medical Practice, Error of Judgment and Gross Negligence, Wrongful Diagnosis and Negligent Diagnosis	15
IV	Remedies for Medical Negligence, Law of Torts, Law of Crimes, Consumer Protection Law	15

SUGGESTED READINGS

1. Vijay Malik: *Drug and Cosmetic Act, 1940*, Eastern Book Company, 2014
2. Jagdish Singh: *Medical negligence Compensation*, Bharat Law House, 2007
3. Anoop K. Kaushal: *Medical Negligence & Legal Remedies*, Universal Publishing House, (2004)
4. P K. Dutta: *Drug Control, Eastern Law House*, 1997

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-III

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Jurisprudence	SL LAW 03 03 11 C 4004	4	0	0	4
2	Criminal Law- I, (Cr. P. C.) Including The Probation of Offenders Act, 1958	SL LAW 03 03 12 C 4004	4	0	0	4
3	Labour and Industrial Laws- I	SL LAW 03 03 13 C 4004	4	0	0	4
4	Public International Law and Human Rights	SL LAW 03 03 14 C 4004	4	0	0	4
5	Clinical Course- I: Legal Dispute, Arbitration, Conciliation and Alternative Disputes Resolution System	SL LAW 03 03 15 C 1245	1	2	4	5
Course Code Elective Course(s)						
1	Gender Justice and Feminist Jurisprudence	SL LAW 03 03 05 E 4004	4	0	0	4
2	International Organizations	SL LAW 03 03 06 GE 4004	4	0	0	4

Course Name: JURISPRUDENCE							Course Code: SL LAW 03 03 11 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**III**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	Jurisprudence, a philosophical study behind the laws is a dynamic subject. The subject is introduced to provide the depth of knowledge regarding the development of laws and the philosophy behind the laws. It will help the students to understand the origin, nature and philosophy behind the changing law in the society.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Acquaint with the basic ideas and fundamental principles of Law in the given society. **2.** Get the knowledge of Law and legal precepts to face exigencies of life boldly and courageously. **3.** To inculcate with standards of ideal for human conduct in terms of the law for the maintenance of public conscience. **4.** Identify such pressing demands or problems which require solutions within the parameters of the law, justice and other social norms.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Definition, Nature and province/scope of Jurisprudence, Definition and Concept of Law Sources of Law, Relation of Law and morality, Elements of Law and Jurisprudence	15
II	Natural Law-its Development and relevance in modern times, Analytical School of law, Austin's Theory of Law, Kelsen's Pure Theory of Law, Hart's Concept of Law, Historical School of Law	15
III	Sociological School of law, Realist School of Law, Socio-Economic and Legal Philosophy, Poverty Jurisprudence and Legal Aid, Public Interest Litigation	15
IV	Legal Rights and Duties, Ownership and possession, Concept of Person and Nature of legal personality, Concept of Property, Obligation and Liability, Law and Administration of Justice	15

LEADING CASES

1. Shabnam v. Union of India, (2015) 6 SCC 702
2. Raja Ram Pal v. Lok Sabah, 2007 (3) SCC 184
3. N. Adithayan v. Travancore Devaswom Board, (2002) 8 SCC 106
4. D.K. Basu v. State of W.B., (1997) 1 SCC 416
5. Vishaka v. State of Rajasthan, (1997) 6 SCC 241
6. Minerva Mills Ltd. v. Union of India, (1980) 3 SCC 625
7. Prem Shankar Shukla v. Delhi Admn., (1980) 3 SCC 526

SUGGESTED READINGS

1. V. D. Mahajan: *Jurisprudence and Legal Theory*, Eastern Book Company, Lucknow, 2020
2. B. N. Mani Tripathi: *Jurisprudence: Legal Theory*, Allahabad Law Agency, Allahabad, 2019
3. Raymond Wacks: *Understanding Jurisprudence: An Introduction to Legal Theory*, Oxford University Press, Oxford, 2018
4. N. K. Jayakumar: *Lectures in Jurisprudence*, LexisNexis India, Gurugram, 2015
5. H. L. A. Hart: *The Concept of Law*, Clarendon Press, Oxford, 2014
6. R. W. M Dias: Jurisprudence, LexisNexis India, Gurugram, 2013
7. Edgar Bodenheimer: *Jurisprudence: The Philosophy and Method of Law*, Universal Book Traders, Delhi, 2011
8. S. N. Dhyani: Jurisprudence and Indian Legal Theory, Central Law Agency, Allahabad, 2008
9. G. W. Paton: *A Textbook of Jurisprudence*, Clarendon Press, Oxford, 2007
10. M. Rama Jois: Seeds of Modern Public Law in Ancient Jurisprudence, Eastern Book Company, Lucknow, 2000
11. John Rawls: *A Theory of Justice*, Harvard University Press, London, 1999)
12. W. Friedmann: *Legal Theory*, Columbia University Press, New York, 1967

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CRIMINAL LAW-I (Cr. P. C.), INCLUDING THE PROBATION OF OFFENDERS ACT, 1958							Course Code: SL LAW 03 03 12 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**III**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The concept of fair trial underpins the functioning of criminal procedures in India. This Course aims to explain and interpret the nuances of 'fair trial' while attempting to balance the conflicting demands of personal liberty and public safety. It intends to highlight the challenging role of the police, public prosecutor and defense counsel, especially during the investigative process. The course shall also provide an overview of the hierarchy, jurisdiction & role of courts from registration of FIR /verification of Complaint to the cognizance of offenses, under the controlling inherent jurisdiction of the High Court.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Identify and summarize the rationale of the Code of Criminal Procedure, 1973 in the context of the general principles of Criminal Law and important features of Fair Trial. **2.** Articulate the significance of flexibility of procedure in the context of differences in the facts and circumstances of the cases, parties, authorities and other stake holders. **3.** Collect and organize appropriate legislative provisions, executive measures (police & prosecution agency) and judicial principles to solve the criminal procedure problems. **4.** Evaluate the importance of outcomes assessment in assuring quality across the legal profession in the national and global context.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Purpose and Importance of Criminal Procedures; Historical developments, Definitions (Section 2), Constitution of Criminal Courts and Offices (Section 6-25A), Power of Courts (Section 26-35), Powers of Superior Officers of Police (Section 36), Arrest of Persons (Section 41-60A)	15
II	The process to compel appearance (Section 61-90), Search and Seizure (Section 91-105), Maintenance of wives, children and parents (Section 125-128) Difference between Summon	15

	and Warrant, Compoundable Offences and Non-Compoundable Offences, Bailable and Non-Bailable Offences	
III	Information to the Police and their powers to investigate (Section 154-176), Jurisdiction of Criminal Courts in Inquiries and Trials (Section 177-189), Conditions requisite for Initiation of Proceedings (Section 190-199), Complaints to Magistrates (Section 200-203), Commencement of Proceedings before Magistrates (Section 204-210)	15
IV	The Probation of Offenders Act, 1958 (With Latest Amendments)	15

LEADING CASES

1. State of Haryana v. Dinesh Kumar (2008) 3 SCC 222
2. Arnesh Kumar v. State of Bihar (2014) 8 SCC 273
3. D.K. Basu v. State of West Bengal (1997) 6 SCC 642
4. Mohmad Ahmed Khan v. Shah Bano Begum 1985 Cr.L.J. 875 (SC)

SUGGESTED READINGS

1. K. N. Chandrasekharan Pillai (ed): *Kelkar Lectures on Criminal Procedure*, Eastern Book Company, Lucknow, 2019
2. Surendra Malik & Sudeep Malik: *Supreme Court on Criminal Procedure Code and Criminal* Trial, Eastern Book Co., Lucknow, 2018
3. Durga Das Basu: *Criminal Procedure Code, 1973*, LexisNexis India, Gurugram, 2017
4. M. P. Tandon: *Code of Criminal Procedure*, Allahabad Law Agency, Faridabad, 2017
5. N. V. Paranjape: *Code of Criminal Procedure*, Central Law Agency, Allahabad, 2017
6. Ratan Lal & Dhiraj Lal: *Code of Criminal Procedure*, LexisNexis India, Gurugram, 2017
7. S. N. Misra: *The Code of Criminal Procedure with Probations of Offenders Act & Juvenile Justice Act*, Central Law Publications, Allahabad, 2016
8. J. K. Soonavala: *Supreme Court Criminal Digest*, LexisNexis India, Gurugram, 2016
9. N. Maheshwara: *Law relating to Criminal Procedure Code*, Asia Law House, Hyderabad, 2014
10. Batuk Lal: *Code of Criminal Procedure*, Orient Publishing Co., New Delhi, 2013
11. R.N. Saxena: *The Code of Criminal Procedure*, Central Law Agency, Allahabad, 2012
12. S. C. Sarkar: *The Code of Criminal Procedure*, LexisNexis India, Gurugram, 2012
13. C. K. Thakker & M. C. Thakker: *Criminal Procedure Code*, LexisNexis India, Gurugram, 2011
14. B. B. Mitra: *Code of Criminal Procedure*, Kamal Law House, Kolkata, 2011
15. K. N. Chandrasekhar Pillai: *Kelkar's Criminal Procedure*, Eastern Book Co., Lucknow, 2008
16. S. K. Basu & N. D. Basu: *Code of Criminal Procedure*, Ashoka Law House, New Delhi, 2007

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LABOUR AND INDUSTRIAL LAWS- I				Course Code: SL LAW 03 03 13 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**III**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The objective of labour law is to ensure the social welfare of workers. These laws help the employees to improve their social status i.e. material and morale of the workers by providing adequate wages and safety measures, ensuring appropriate working hours and health facilities. For hundreds of years, women and ethnic minorities have faced discrimination that limited their job prospects, subjected them to workplace abuses and greatly reduced the wages they could expect. Labor laws protect equal opportunity by requiring employers to give equal consideration to underrepresented groups, to pay equal pay for equal work and to institute policies that limit or prevent structural discrimination.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Have knowledge about uniformity among all laws. **2.** Get awareness and knowledge about government schemes and policies. **3.** Find out ways to extend and maintain industrial democracy. **4.** Enhance practical skills while dealing with labour matters. **5.** Promote employment outcomes. **6.** Enhance the management skills. **7.** Promote labour standards.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**The Industrial Disputes Act, 1947, (With Latest Amendments)** Object and Main Features of the Act, Definitions: Appropriate Government, Employer, Industry, Industrial dispute, Workmen, Public utility service, industrial establishment or undertaking, Authorities under the Act (Section 3-9 and 11-15), Notice of change (Section 9-A), Reference of Disputes to Boards, Court and Tribunal (section 10), Voluntary Reference of Disputes to Arbitration (section 10-A), Power of Labour Court and Tribunal to give relief in case of discharge or dismissal of workmen (Section 11-A), Awards and Settlements (Section 16-21)	15

II	Definition of strike and lockout (Section-2), The other statutory provisions of The Industrial Disputes Act, 1947 relating to strikes and lockouts (Section 22-28), Layoff and Retrenchment (Section 2, 25A-26E and 25F-25H), Compensation to workmen in case of transfer of undertaking (Section 25 FF), 60 days' notice to be given of intention to close down the undertaking (Section 25 FFA), Compensation to workmen in case of closing down of undertaking (Section 25 FFF), Special Provisions relating to Lay off, Retrenchment and Closure in certain establishments (section 25K-25S), Unfair Labour Practice (Section 251-25U), Scope of section 33 and 36 of Industrial Disputes Act, 1947	15
III	**The Trade Union Act, 1926, (With Latest Amendments)** Development of trade law in India, Definition: Executive Registrar, Trade Union, Registration of Trade Union, (Section 3-9) Cancellation of Registration of Trade Union (section-10), Appeals, Incorporation of the registered trade union (Section 13), Right and Liabilities of the registered trade union (section 15-18), Rights to inspect books of the trade union (section 20), Right of minor to be members of trade union (section 21), Disqualification of office bearers of trade unions (section-21A), Proportion of office-bearers to be connected with an industry (section 22), Change of name and amalgamation of trade Union (section 23 to 26), dissolution and returns (section 27 & 28)	15
IV	**The Factories Act, 1948 (With Latest Amendments)** Definitions, Adult, Adolescent, Child, Hazardous Process, Manufacturing Process, Workers Factory, Approval of licensing and registration of factories (Section 6), Notice by occupier and duties of the occupier (Section 7), Inspector and certifying surgeons (Section 8 to 10), Statutory provisions relating to health and safety (Section 11 to 41), Welfare (Section 42 to 50), Working hours of adult (51 to 66), Employment of young persons (Section 67 to 77), Annual leave with wages (Section 78 to 84)	15

LEADING CASES

1. V.P. Gopal Rao v. Public Prosecutor AP, (1995) LLJ 648 (SC)
2. Banglore Water Supply v. A. Rajappa, AIR 1978 SC 548
3. Rohtak Industries v. Rohtash industries Staff Union, AIR 1976 SC 426
4. Hathras Municipality v. Union of India, AIR 1975 All 264
5. Management of Safdarjung Hospital, New Delhi v. Kuldeep Singh, AIR 1970 SC 1406

SUGGESTED READINGS

1. S. C. Srivastava: *Industrial Relations and Labour Laws*, Vikas Publishing House, Noida, 2020
2. C. B. Mamoria: *Dynamics of Industrial Relations in India*, Himalaya Publishing House, Mumbai, 2016
3. C. R. Mc Connell & S. L. Brue: *Contemporary Labour Economics*, Mc Grow- Hill, New York, 2016
4. S. N. Misra, *Labour & Industrial Law*, Central Law Publication, Allahabad, 2013
5. S. D. Punekar: *Labour Welfare, Trade Unionism and Industrial Relations*, Himalaya Publishing House, Bombay, 2011
6. Mavi Anupreet Kaur: *Educated Unemployed*, Deep & Deep Publication, New Delhi, 2008
7. Meenu Agrawal: *Economic Reforms*, Unemployment and Poverty, New Century Publications, New Delhi, 2008
8. Jwitesh Kumar Singh: *Labour Economics-Principles, Problems and Practices*, Deep & Deep publications Pvt. Ltd., New Delhi, 2002
9. Y. S. Purohit: *Industrialising Economy and Labour Market in India*, Mittal Publication, New Delhi, 1989
10. Pramod Verma: *Labour Economics and Industrial Relations*, Tata McGraw Hill Publishing Co. Ltd., New Delhi,1988
11. Indrani Mukherjee: *Industrial Workers in a Developing Society*, Mittal Publications, New Delhi, 1985

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: PUBLIC INTERNATIONAL LAW & HUMAN RIGHTS							Course Code: SL LAW 03 03 14 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**III**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	This course on the principles of public international law is offered to students to help to understand the fundamental principles that govern the regime of international law are dealt with extensively and exclusively in this course with the help of statutory texts, significant case laws and articles written by scholars. The course would help the students to understand both the theoretical framework and the working of international law. Understanding of these basic principles is a prerequisite for those students who seek to explore their career or academic interest in specific fields of international law. The course is also designed to inform the students about the evolution and the jurisprudence of human rights and the way they are read into our Constitution. That apart, it explores the different vistas of Human Rights with reference to crime, health, etc. The students have imparted the essential aspects of all the said issues.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Critically analyze various theories of International Law and sources of International Law. **2.** Critically analyze and interpret various Articles in the Vienna Convention on Law of Treaties. **3.** Find out various complex issues in the International sphere and apply International Law principles to study such problems. Analyze various pacific dispute settlement mechanisms. **4.** Critically analyze the role of the International Court of Justice in settling the disputes between nations amicably. **5.** Connect the core concepts involved with the evolution and development of human rights worldwide, the nature of Human Rights and Group Rights. **6.** Understand the constitutional aspects along with the statutory framework of National and State Human Rights Commissions. **7.** Understand the societal expectations in terms of human rights. **8.** Comprehend the nuances of criminal infractions and the resultant rights abuse.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
1. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.

I	Definition, Nature and Sanctions of International Law, Relationship between International Law and Municipal Law, Sources and subjects of International Law including the position of individual	15
II	State Territory, State Jurisdiction, Recognition of States and Governments, Acquisition and loss of State Territory, State Succession, Extradition, Asylum, Settlement of Disputes	15
III	Nature, Definition and Effects of War, Belligerent Occupation, War Crimes, Contraband, Blockade, Prize Counts, Enemy Character, Rules of Warfare	15
IV	Human Rights: Concept of Human Rights, Provisions of U.N. Charter relating to Human Rights, Universal Declaration of Human Rights, 1949 and its legal significance, Covenant on Civil and Political Rights, 1966 and Covenant on Economic, Social and Cultural Rights, National Commission on Human Rights in India, State Human Rights Commission in India	15

LEADING CASES

1. Union of India v. Sukumar Sen, AIR 1991 SC 1692
2. Gramophone Co. of India Ltd. v. Birendra Bahadur Pandey, AIR 1984 SC 667
3. Maganbhai Ishwar Bhai Patel v. Union of India, AIR 1969 SC 783
4. West Rand Gold Mining Co. Ltd. v. R, (1905) 2 KB 391

SUGGESTED READINGS

1. Rhona K. M. Smith: *Textbook on International Human Rights*, Oxford University Press, Oxford, 2019
2. H. O. Agarwal: *A Concise book on International Law and Human Rights*, Central Law Publications, Allahabad, 2017
3. S. K. Kapoor: *Human Rights under International Law & Indian Law*, Central Law Agency, Allahabad, 2017
4. Richard Stone: *Textbook on Civil Liberties & Human Rights*, Oxford University Press, Oxford, 2017
5. Rakesh Kumar Singh: Textbook on Public International Law, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2016
6. S. R. A. Rosedar: *Public International Law*, Lexis Nexis, India, Gurugram, 2016
7. V. K. Ahuja: *Public International Law*, LexisNexis India, Gurugram, 2016
8. Jyoti Rattan & Dr. Vijay Rattan: *Public International Law*, United Nations & Human Rights, Bharat Law House, Jaipur, 2016
9. V. S. Mani, S Bhat: *Recent Developments in International Space Law and Policy*, Lancer Books, New Delhi, 2015
10. Ian Brownlie & James Crawford: *Brownlie's Principles of Public International Law*, Oxford University Press, Oxford, 2013
11. Rashee Jain: *Textbook on Human Rights Law and Practice*, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2013
12. S. K. Verma: *An Introduction to Public International Law*, Satyam Law International, New Delhi, 2012
13. Upendra Baxi: *The Future of Human Rights*, Oxford University Press, Oxford, 2012
14. S. R. Myneni: *Human Rights*, Asia Law House, Hyderabad, 2012
15. N. K. Jaya Kumar: *International Law and Human Rights*, LexisNexis India, Gurugram, 2011
16. Ian Brownlie Guy S. Goodwin-Gill: *Brownlie's Documents on Human Rights*, Oxford University Press, Oxford, 2010

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CLINICAL COURSE- I, LEGAL DISPUTE, ARBITRATION, CONCILIATION AND ALTERNATIVE DISPUTES RESOLUTION SYSTEM						Course Code: SL LAW 03 03 15 C 1245	
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**III**	**1**	**2**	**4**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100			***(Practical Examination)***				

Course Objectives	Delays and arrears in courts have long been causing frustration and hardship to the disputants. Hence, the Alternative Dispute Resolution (ADR) methods such as Arbitration, Conciliation and Mediation are being actively encouraged by the Governments and the Judiciary to provide a mechanism for speedy justice to the disputants at lower costs. The course on ADR is intended to instill the knowledge and skills essential to sensitize the students to practice various ADR mechanisms. Because of the manifold increase in business and commerce, there is a great demand in India for ADR Practitioners.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Impart in-depth knowledge of the basic concept of ADR as well as its various mechanisms. **2.** Sensitized themselves toward the benefits that the ADR mechanism offers over litigation. **3.** Attain an understanding of the practical nuances of the course through simulation exercises and visits to ADR centers. **4.** Practice independently in the field of Arbitration, Conciliation and Mediation and their skills and services can also be utilized by the courts while implementing Section 89 of The Civil Procedure Code, 1907.

COURSE SYLLABUS

NOTE:

1. The whole paper will be practical in nature. The students have to prepare a proper practical file on the contents of each unit and submit to the concerned subject teacher.
2. The marks will be awarded by a panel of examiners on the basis of presentation of the contents in the file and performance of Viva-Voce.
3. The panel of examiners for Evaluation of practical file and Conducting of Viva-Voce examination, shall consist of the Head of the Department, One External Expert (to be appointed by Dean of the School / Head of the Department), One Internal Expert preferably the teacher, who has taught the subject (to be appointed by Head of the Department), at the place, date and time, fixed by the Head of the Department. The Quorum will consist of two, out of which one external expert must be present.

Unit No.	Contents	Contact Hrs.
I	Evolution of ADR, ADR in India, Advantages & disadvantages of ADR, ADR Processes Retail Mediation, Mediation, Negotiation, Conciliation, ADR in family disputes, Conciliation under CPC.	15
II	Concept, Meaning & Growth of Lok Adalat's, Lok Adalat's under Legal Services Authorities Act, 1987, Nyaya Panchayats-Historical Perspectives, Advantages of Nyaya Panchayats, Composition & Jurisdiction of Nyaya Panchayats	20

III	Arbitration & Conciliation Act, 1996 (With Latest Amendments): Definition of Arbitration, International Commercial Arbitration, Objectives of the Act, Arbitration Agreement, Composition and jurisdiction of Arbitral Tribunal, Conduct of Arbitral Proceedings, Making of Arbitral Awards and Termination of Proceedings, Recourse Against Arbitral Award, Finality and Endorsement of arbitral Award, Appealable orders, Lien on Arbitral Awards and Deposits as to costs, Effect on Arbitration Agreement of Death and of parties humiliation, (Section 1-43)	20
IV	Foreign Awards-Definition, Enforcement of Certain Foreign Awards, New York Convention Awards, Geneva Convention Awards, Convention on recognition and Enforcement of Foreign Arbitral Awards (Schedule I), Protocol on Arbitration Clauses (Schedule II), Convention on the Execution of Foreign Arbitral Awards (Schedule III), Conciliation under Arbitration and Conciliation Act, 1996(Section 61-81), Role of Conciliator, Confidentiality in conciliation (Section 44-60)	20

LEADING CASES

1. Renusagar & Co. v. V.E.C., AIR 1994 SC 860
2. Food Corporation of India v. Joginder Pal Mohinder Pal, AIR 1989 SC 1263
3. Rajasthan State Mines & Minerals Ltd. v. Eastern Engineering Enterprises, AIR 1999, SC 3627
4. Tamil Nadu Electricity Board v. Bridge Tummel Construction, AIR 1997 SC 1376
5. Trans Osis Shipping Agency Pvt. Ltd. V. Black Sea Shipping, AIR 1998 SC 707
6. A/S Gotan Construction & Fisheries Ltd. v. National Bank of Agriculture & Development, AIR 2000 SC 3018

SUGGESTED READINGS

1. OUP India: *(Shashank Garg (Editor), Alternative Dispute Resolution:* The Indian Perspective, Oxford, 2018
2. S. C. Tripathi: *Alternative Dispute Resolution System (ADR)*, Central law Publications, Allahabad, 2018
3. Avtar Singh: *Law of Arbitration & Conciliation*, Eastern Book Company, Lucknow, 2018
4. O.P. Tiwari: Arbitration and Conciliation, Allahabad Law Agency, Faridabad, 2017
5. Malika Taly: *Introduction to Arbitration*, Eastern Book Company, Lucknow, 2015
6. Anirban Chakraborty: *Law & Practice of Alternative Dispute Resolution in India-A detailed analysis*, Lexis Nexis, Gurugram, 2015
7. S.P. Gupta: *Arbitration and Conciliation*, Allahabad Law Agency, Faridabad, 2015
8. Geeta Oberoi: *Arbitration and Conciliation*, Allahabad Law Agency, Faridabad, 2006
9. O.P. Malhotra: *The Law and Practice of Arbitration and Conciliation*, Lexis Nexis, Gurugram, 2006

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: GENDER JUSTICE AND FEMINIST JURISPRUDENCE							Course Code: SL LAW 03 03 05 E 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**III**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The objective of the course is to stress the importance of taking women's experiences in the law-making process and to undo the absence of women from the same in the past. The students will also be able to appreciate the importance of the different approaches in the feminist movement. The importance of certain issues concerning women from the feminist perspective will also be stressed. This course on Gender Justice and Feminist Jurisprudence seeks to investigate the perspectives on law from a variety of contexts. The course aims to study the need and importance of feminism in the modern world context. It also aims to explore feminist critiques of mainstream law and legal theory. Students will be made equipped with divergent approaches to and methodologies within feminist legal theory as well as the challenges to feminist legal theory from inside and outside of feminism.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand the need and importance of feminist jurisprudence in the current world context. **2.** Understand the Constitutional Safeguards provided to the women in India and be aware of the statutory provisions to protect the women against sexual harassment at the workplace. **3.** Analyze the nitty-gritty of the Sameness and Difference approaches taken by the different schools of Feminism. **4.** Understand the role of the State in the Feminist's goal of achieving social, political and economic equality. Understand the social and moral connotations of law and sexuality and the feminist views on it. **5.** Analyze, from a feminist perspective, the laws concerning Domestic Violence and cruelty in the domestic setting. **6.** Acquaintance with the current issues concerning sexuality and gender in India and around the world.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.

I	Concept of Gender Justice and Feminist Jurisprudence; United Nations and Human Rights of Women, Universal Declaration of Human Rights, 1948, Convention on Elimination of All Forms of Discrimination against Women, 1979, Declaration on Elimination of Violence against Women, 1993	15
II	Constitutional Safeguards for the Protection of Women: Right to equality, Right to life and personal liberty, Right against exploitation, Directive Principles of State Policy, National Commission for Women-Composition, Powers and Functions, The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (with latest Amendments)	15
III	The Dowry Prohibition Act, 1961 (With Latest Amendments) Definition of Dowry, Penalty for giving, taking and demanding dowry, ban on advertisement, Dowry for the benefit of the wife or her heirs, Cognizance of offenses, Dowry prohibition officers, Dowry Prohibition (Maintenance of Lists of Presents to the Bride and Bridegroom) Rules, 1985 The Protection of Women from Domestic Violence Act, 2005 (With Latest Amendments): Definition of Domestic Violence, Powers and duties of Protection Officers, Service Provider, etc., Procedure for obtaining orders of relief	15
IV	The Pre-conception and Pre-natal Diagnostic Techniques (Prohibition of Sex Selection) Act, 1994 (With Latest Amendments): Preliminary regulation of genetic counseling centers, Genetic laboratories and genetic clinics, Regulation of pre-natal diagnostic techniques, Central Supervisory Board, Appropriate authority and Advisory Committee, Offences and Penalties, An Overview of Protection of Women under Immoral Traffic (Prevention) Act, 1956 (With Latest Amendments)	15

LEADING CASES

1. Centre for Enquiry into Health and Allied Themes (CEHAT) and others v. Union of India and others, (2001) 5 SCC 2007
2. S.R. Batra v. Taruna Batra, AIR 2007 SC 1118
3. Air India v. Nargesh Mirza, AIR 1981 SC 1929
4. Vishakha v. State of Rajasthan, AIR 1997 SC 3011

SUGGESTED READINGS

1. Rajat Baijal: *Law of Protection of Women from Domestic Violence*, Bharat Law House, Jaipur, 2020
2. Mamta Rao: *Law Relating to Women and Children*, Eastern Book Co., Lucknow, 2019
3. N. K. Acharya: *Commentary on Protection of Women from Domestic Violence Act, 2005*, Asia Law House, Hyderabad, 2016
4. Nuzhat Parveen Khan: *Child Rights and the Law*, Universal Law Publishing Co Ltd., New Delhi, 2016
5. Nuzhat Parveen Khan: *Women and the Law*, Universal Law Publishing Co Ltd., New Delhi, 2016
6. S. K. Chatterjee: *Offences against Children & Juvenile Offence*, Central Law Publications Allahabad, 2016
7. Indira Jaising: *Sexual Harassment at Workplace*, Universal Law Publishing Co Ltd., New Delhi, 2015
8. S. C. Tripathi: *Women and Criminal Law*, Central Law Publications, Allahabad, (2014)
9. S. C. Tripathi: *Law Relating to Women & Children*, Central Law Publications, Allahabad, (2012)
10. S. C. Tripathi & Vibha Arora: *Law Relating to Women and Children*, Central Law Publications, Allahabad, (2012)

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: INTERNATIONAL ORGANIZATIONS			Course Code: SL LAW 03 03 06 GE 4004				
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**III**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The course aims to examine the international law applicable to international organizations. It endeavours to comprehend the traditional topics associated with the functioning of IOs such as immunity, privilege, the responsibility of IOs, decision-making, dispute resolution, and relationship between international Institutions and International Courts.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Apply the applicable international law in relation to selected international organizations. **2.** Comprehend the role, function and structure of prominent IOs, and their utility within the international legal system. **3.** Explain the decision-making process within prominent IOs. **4.** Analyze the problems in relation to the working of IOs and appropriate dispute resolution mechanisms for resolving disputes between IOs and member states and between IOs.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	International organizations: Meaning, nature, scope and importance, Evolution of International Organization and their legal personality, Types of International Organization-Membership and functions	15
II	United Nations as a constitutional system, Peace-keeping: Functions, Achievements and Failures, Problems of peace enforcement through U.N, Role of UN regarding Collective security and human rights	15
III	Special Agencies: UNESCO, IAEA, UNDP-Constitution and Functioning, International Economic Institutions: UNCTAD, WIPO, IFC- Constitution and Functioning, Collective Security Agencies: NATO, WARSAW PACT	15
IV	International non-Government organizations, Transparency International, Human Rights Watch, Green Peace, Disarmament and Arms Control, CTBT, NPT, PNE, WTO and its role in Globalization, Kyoto Protocol and Environmental Protection	15

LEADING CASES

1. Columbian Peruvian Asylum Case ICJ Report (1951) 71
2. Daimler Co. Ltd. v. Continental Tyre and Rubber Co. Ltd (1916) 2 AC 307
3. Haile Selassi v. Cable and Wireless Co. Ltd. (1939) CH 12
4. Zambra Case (1916) 2 AC 77

SUGGESTED READINGS

1. H. O. Agarwal: *International Organisation*, Central Law Publications, Allahabad, 2018
2. V. Rajyalakshmi: *International Organisations*, Eastern Book Company, Lucknow, 2018
3. Jan Klabbers: *An Introduction to International Organizations*, Cambridge University Press, 2018
4. B.S. Murthy: International Relations and Organisations, Eastern Book Company, Lucknow, 2017
5. S.R. Myneni: International Relations and Organisations, New Era Law Publication, Chandigarh, 2017
6. Bimal N. Patel: *Responsibility of International Organizations*, Eastern Book Company, Lucknow, 2013
7. Dan, Sarooshi: *International Organizations and their exercise of sovereign powers*, Oxford, 2010

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-IV

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Property Law Including The Transferof Property Act, 1882 & Registration Act, 1908	SL LAW 03 04 16 C 4004	4	0	0	4
2	Criminal Law-II (Cr. P. C.) Including The Juvenile Justice Act, 2015 & POCSO Act, 2012	SL LAW 03 04 17 C 4004	4	0	0	4
3	Labour and Industrial Law- II	SL LAW 03 04 18 C 4004	4	0	0	4
4	Interpretation of Statutes	SL LAW 03 04 19 C 4004	4	0	0	4
5	Clinical Course- II: Moot Court and Internship	SL LAW 03 04 20 C 1245	1	2	4	5
Course Code Elective Course(s)						
1	Intellectual Property Rights Management	SL LAW 03 04 07 E 4004	4	0	0	4
2	Competition Law	SL LAW 03 04 08 E 4004	4	0	0	4

Course Name: PROPERTY LAW INCLUDING THE TRANSFER OF PROPERTY ACT, 1882, & THE REGISTRATION ACT, 1908							Course Code: SL LAW 03 04 16 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**IV**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	Before the enactment of the Transfer of Property Act, 1882 in India the transfer of property was governed by its respective customary law. The Courts during this period applied the common law of England and the rules of equity, justice and good conscience with respect to disputes relating to the transfer of property. The conflicting Judgments and unsuitability of these principles in the Indian scenario necessitated the enactment of legislation. The Transfer of Property Act, 1882 deals with the transfer of property by act of parties i.e. living persons. The course deals with general principles of transfer of property both movable and immovable. The course also covers certain kinds of transfers of immovable property, such as Sale, Lease and Mortgage. It also includes transactions i.e. Gift which deals with movable and immovable property.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand the need of having an inclusive law on property. **2.** Understand transfers by an act of parties and operation of law. **3.** Examine the difference between Movable and Immovable Property. **4.** Appreciate the transaction which is in contradiction with Muhammadan law. **5.** Study the general principles of transfer of property both movable and immovable. **6.** Comprehend the diverse transaction i.e. Sale, Gift, Mortgage and Lease under Transfer of Property Act, 1882.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Object and Scope of the Transfer of Property Act, 1882, Interpretation Clause, Definition of Transfer of Property, Subject Matter of Transfer, Persons competent to Transfer, Oral Transfer, Transfer for the benefit of Unborn Person, Rule against Perpetuity, Vested and Contingent Interests, Conditional Transfer, Doctrine of Election (Section 1 to 35)	15

II	Apportionment, Transfer of Property by Ostensible Owner, Transfer by an unauthorized person who subsequently acquires interest in Property Transferred, Transfer by One Co-owner, Joint Transfer for consideration, Priority of Rights created by Transfer, Fraudulent Transfer, Doctrine of Lis-Pendens, Doctrine of Part-Performance (Section 36 to 53A), Definition of Sale, Rights and Liabilities of Buyer and Seller, Marshalling by Subsequent Purchaser, Definition of Mortgage and kinds of Mortgage (Section 58-59), Rights and Liabilities of Mortgagor (Section 60-66)	15
III	Rights and Liabilities of Mortgagee (Section 67-77), Priority (Section 78-80), Marshalling and contribution (Section, 81-82), Deposit in Court (Section 83), Redemption (Section 91-96), Charge (Section 100) Definition of Lease, Rights and Liabilities of Lessor and Lessee (Section 105-108), Different Modes of Determination of Lease (Section 111), Gift (Section 122-129)	15
IV	The Registration Act, 1908 (With Latest Amendments), Definitions, Registrable documents, Place of registration, presenting will and authority to adopt, Effect of registration and non-registration, duties and powers of registering officers	15

LEADING CASES

1. Kokilambal & Others v. N. Raman, AIR 2000 SC 2468
2. Indu Kakkar v. Haryana Industrial Development Corporation Ltd. & another, AIR 1999 SC 296
3. Sonia Bhatia v. State of UP and Others, AIR 1981 SC 1274
4. Technician Studio Pvt. Ltd. v. Lila Ghosh, AIR 1977 SC 2425
5. Commissioner of IT v. M/s Motors & General Store Pvt. Ltd., AIR 1968 SC 200
6. Seth Ganga Dhar v. Shanker Lal & others, AIR 1958 SC 773

SUGGESTED READINGS

1. S. N. Shukla: *The Transfer of Property Act*, Allahabad Law Agency, Allahabad, 2020
2. Dara Shaw J. Vakil: *Commentaries on the Transfer of Property Act*, LexisNexis India, Gurugram, 2017
3. Poonam Pradhan Saxena: *Property Law*, LexisNexis India, Gurugram, 2017
4. S. R. A. Rosedar: *Transfer of Property Act*, LexisNexis India, Gurugram, 2016
5. Rega Surya Rao: *Lectures on Transfer of Property Act*, Asia Law House, Hyderabad, 2016
6. Avtar Singh: *Textbook on the Transfer of Property Act*, Universal Law Publishing- An Imprint of LexisNexis, Gurugram, 2016
7. G. P. Tripathi: *The Transfer of Property Act*, Central Law Publications, Allahabad, 2016
8. Poonam Pradhan Saxena: Mulla: *The Transfer of Property Act*, Lexis Nexis, India, 2013

Note: Students are advised to study the latest edition of the recommended books and case laws.

<table>
<tr><td colspan="4">Course Name: CRIMINAL LAW- II (Cr. P. C.), INCLUDING THE JUVENILE JUSTICE ACT, 2015 & THE POCSO ACT, 2012</td><td colspan="5">Course Code: SL LAW 03 04 17 C 4004</td></tr>
<tr><td>Session</td><td>Programme:</td><td>Semester:</td><td>L</td><td>T</td><td>P</td><td>Credit</td><td colspan="2">Contact Hrs. per Week: 4</td></tr>
<tr><td>2022-23 onwards</td><td>LL.B. (3 Year) Professional Course</td><td>IV</td><td>4</td><td>0</td><td>0</td><td>4</td><td colspan="2">Total Hrs.: 60</td></tr>
<tr><td colspan="3">Total Evaluation Marks: 100
CIE: 30 Marks
TEE: 70 Marks</td><td colspan="6">Examination Duration: 3 Hrs.</td></tr>
<tr><td>Course Objectives</td><td colspan="8">This course is designed to explain the process and procedural safeguards that guide and regulate the functioning of the courts and other agencies in the administration of criminal justice. It also intends to provide the students a critical insight into the functioning of the courts at various stages of a criminal trial starting from the framing of charges to forums and forms of appeal through pleas of the accused, compounding of offenses, plea bargaining, bars of limitation, delivery of judgment and sentencing. The students will also be introduced to the potential of the vast array of dispositional alternatives, in the wake of the emergence of strong victimology and juvenile justice. Primarily the course aims to enhance the knowledge and skills of students to Identify, explain and appreciate the different principles, procedures and stages involved in varying criminal cases & trials; Critically analyze the court decisions in the contemporary context and Appreciate the importance and potentiality of even the minority and distinguishing judgments in silently transforming the criminal law and procedures as per social needs & aspirations</td></tr>
<tr><td>Course Outcomes</td><td colspan="8">After the completion of this course, the student would be able to:
1. Understand the Rationale of preliminary procedure as a stepping stone to a Fair Trial.
2. Articulate the significance of elasticity of ‘trial procedure’ in the context of a variety of facts and circumstances of the cases, parties, authorities and other stakeholders involved.
3. Collect and organize appropriate evidence-based data including international standards, legislative provisions and judicial principles to formulate the acceptable reasoned solutions to address problems of criminal procedure.
4. Prepare an evaluative individual or collaborative field project appreciating the functioning and judgments of the courts with appropriate suggestions and remedial measures.
5. Understand the importance of performance assessment as a tool to assure quality in their professional and personal development.</td></tr>
<tr><td colspan="9">COURSE SYLLABUS</td></tr>
<tr><td colspan="9">NOTE:
1. The question paper shall consist of Five Questions in all. The first question shall contain short answer type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long- answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.</td></tr>
</table>

Unit No.	Contents	Contact Hrs.
I	Charge (Section 211-224), Trial before a Court of Session (Section 225-237), Trial of Warrant Cases by Magistrates (Section 238-250), Trial of Summon Cases by Magistrates (Section 251-259), Summary Trials (Section 260-265), General Provisions as to Inquiries and Trials (Section 300-327)	15
II	Plea Bargaining (Section 265A-265L), Limitation for taking Cognizance of Certain Offences (Section 467-473), Transfer of Criminal Cases (Section 406-412), Provisions as to Bail and Bonds (Section 436-450), Security for keeping the peace and for good behaviour (Section 106-124), Maintenance of Public Order and Tranquility (Section 129-148), Preventive Action of Police (Section 149-153)	15
III	Appeal, Reference and Revisions (Section 372-405), Savings of Inherent Powers of High Court (Section 482), Execution, Suspension, Remission and Commutation of Sentences (Section 413-435), Provisions as to Offences affecting the administration of Justice (Section 340-352), Submission of Death Sentence for Confirmation (Section 366-371)	15
IV	The Juvenile Justice (Care and Protection of Children) Act, 2015 (2 of 2016), (With latest Amendments), The Protection of Children from Sexual Offences Act, 2012 (With Latest Amendments)	15

LEADING CASES

1. Youth Bar Association of India v. Union of India and Others, Writ Petition (Crl) No 68 of 2016
2. State of M.P. v. Deepak, (2014) 10 SCC 285
3. Mohammad Ajmal Amir Kasab v. State of Maharashtra, (2012) 9 SCC 1
4. Mohan Singh v. State of Bihar, (2011) 9 SCC 272

SUGGESTED READINGS

1. K. N. Chandrasekharan Pillai (ed): *Kelkar Lectures on Criminal Procedure*, Eastern Book Company, Lucknow, 2019
2. Surendra Malik & Sudeep Malik: *Supreme Court on Criminal Procedure Code and Criminal Trial*, Eastern Book Co., Lucknow, 2018
3. Durga Das Basu: *Criminal Procedure Code, 1973*, LexisNexis India, Gurugram, 2017
4. M. P. Tandon*: Code of Criminal Procedure*, Allahabad Law Agency, Faridabad, 2017
5. N. V. Paranjape: *Code of Criminal Procedure*, Central Law Agency, Allahabad, 2017
6. Ratan Lal & Dhiraj Lal: *Code of Criminal Procedure*, LexisNexis India, Gurugram, 2017
7. S. N. Misra: *The Code of Criminal Procedure with Probations of Offenders Act & Juvenile Justice Act*, Central Law Publications, Allahabad, 2016
8. J. K. Soonavala: *Supreme Court Criminal Digest*, LexisNexis India, Gurugram, 2016
9. N. Maheshwara: *Law relating to Criminal Procedure Code*, Asia Law House, Hyderabad, 2014
10. Batuk Lal: *Code of Criminal Procedure*, Orient Publishing Co., New Delhi, 2013
11. R.N. Saxena: *The Code of Criminal Procedure*, Central Law Agency, Allahabad, 2012
12. S. C. Sarkar: *The Code of Criminal Procedure*, LexisNexis India, Gurugram, 2012
13. C. K. Thakker & M. C. Thakker: *Criminal Procedure Code*, LexisNexis India, Gurugram, 2011
14. B. B. Mitra: *Code of Criminal Procedure*, Kamal Law House, Kolkata, 2011
15. K. N. Chandrasekhar Pillai: *Kelkar's Criminal Procedure*, Eastern Book Co., Lucknow, 2008
16. S. K. Basu & N. D. Basu: *Code of Criminal Procedure*, Ashoka Law House, New Delhi, 2007

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LABOUR LAW AND INDUSTRIAL LAWS- II							Course Code: SL LAW 03 04 18 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**IV**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	The main aims are in this framework of social justice are to promote rights at work, encourage decent employment opportunities, enhance social protection and strengthen dialogue on work-related issues. ILO Declaration on Fundamental Principles and Rights at Work. ILO is a United Nations agency devoted to promoting social justice and labour rights, pursuing its mission that labour peace is essential to prosperity, aimed at promoting women and men to obtain decent and productive work. It aims to provide a remedy for social dumping and to find sustainable solutions to poverty and social exclusion through a certain equalization of levels of social protection among countries. It aims at securing minimum standards on uniform basis in respect of all labour matters.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get updated with transnational governance of work. **2.** Know in detail about the application of principle of social security. **3.** Know the forms of international labour standards i.e. Convention, Recommendation, Protocol and Declaration. **4.** Get awareness regarding patterns of Child labour, Forced labour, Anti-discrimination. **5.** Guide about the freedom of association and collective bargaining. **6.** Get know about the universal laws and flexibility. **7.** Get familiarize about decent work agenda. **8.** Know about the scope of sustainable development.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**The Workmen's Compensation Act, 1923, (With Latest Amendments)** Definitions of dependent, workman, Partial disablement and Total disablement, Employer's liability for compensation: -Scope of arising out of and in the course of employment, Doctrine of notional extension, when an employer is not liable, Distribution of Compensation, Procedure in proceedings before Commissioner, Appeals	15
II	**The Factories Act, 1948, (With Latest Amendments)**	15

	Concept of Factory, Manufacturing Process, Workers and Occupier, General duties of the occupier, Measures to be taken in factories for health, safety and welfare of Workers. Working hours of adults, Employment of young person and children, Annual leave with wages, Additional provisions regulating employment of women in the factory	
III	**The Minimum Wages Act, 1948, (With Latest Amendments)** Concept of the minimum wage, fair wage, living wage and need-based minimum wage, Theories of Wage, Procedure for fixation and revision of minimum wages. Fixation of minimum rates of wage by time rate or by piece rate, Procedure for hearing and deciding claims	15
IV	**The Child Labour (Prohibition and Regulation) Act, 1986 (With Latest Amendments)** Aims and Objects of Act, Definitions and scope of Child labour, Family, Prohibition of Children in certain Occupations and processes, Regulation of conditions for work of children, Bonded Labour System (Abolition) Act, 1976- Aims and Objects, Concept of Bonded Labour, Bonded Labourer, Bonded Labour System and Bonded debt, Abolition of Bonded Labour System, Extinguishments of Liability to repay bonded debt, Implementing Authorities	15

LEADING CASES

1. Steel Authority of India Ltd. v. National Union Waterfront Worker, 2001 SCC (L&S) 1121
2. M.C. Mehta v. State of Tamil Nadu, AIR 1991 SC 417
3. Mackenzie v. I. M. Issak, AIR 1970 SC 1006
4. Hydro (Engineers) Pvt. Ltd. v. The Workmen, AIR 1969 SC182

SUGGESTED READINGS

1. S. C. Srivastava: *Industrial Relations and Labour Laws*, Vikas Publishing House, Noida, 2020
2. C. B. Mamoria and Mamoria: *Dynamics of Industrial Relations in India*, Himalaya Publishing House, Mumbai, 2016
3. S. N. Misra: *Labour & Industrial Law*, Central Law Publication, Allahabad, 2013
4. S. D. Punekar: *Labour Welfare, Trade Unionism and Industrial Relations*, Himalaya Publishing House, Bombay, 2011
5. Mavi Anupreet Kaur: *Educated Unemployed*, Deep & Deep Publication, New Delhi, 2008
6. Meenu Agrawal: *Economic Reforms, Unemployment and Poverty*, New Century Publications, New Delhi, 2008
7. E. A. Ramaswamy: *The Worker and Trade Union, Allied Publishers*, New Delhi, 2004
8. Jwitesh Kumar Singh: *Labour Economics-Principles, Problems and Practices*, Deep & Deep Publications Pvt. Ltd., New Delhi, 2002
9. T. S. Papola, P. P. Ghose and A. N. Sharma (ed.): *Labour Employment and Industrial Relations in India*, B. R. Publishing Corp., New Delhi, 1993
10. Y. S. Purohit: *Industrialising Economy and Labour Market in India*, Mittal Publication, New Delhi, 1989
11. Pramod Verma: *Labour Economics and Industrial Relations*, Tata McGraw Hill Publishing Co. Ltd., New Delhi, 1988
12. Indrani Mukherjee: *Industrial Workers in a Developing Society*, Mittal Publications, New Delhi, 1985
13. T. N. Bhagoliwal: *Economics of Labour and Industrial Relations*, Sahitya Bhavan Publications, Agra,
14. V. V. Giri: *Labour Problems in Indian Industry*, Asia Publishing House, Bombay, 1972

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: ENVIRONMENTAL LAWS				Course Code: SL LAW 03 06 19 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**IV**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	An introduction to the concepts and principles which underpin environmental law from the national to the international law. The course will address Constitutional law provisions relating to the environment; Sustainable development as a legal concept and related environmental protection principles, The remedies in statutory law and the protection of wildlife and forests
Course Outcomes	After the completion of this course, the student would be able to: **1.** Identify key environmental issues at the planetary, international, national, state and local levels. **2.** Develop an understanding of the regulatory and judicial frameworks implementing and enforcing these laws. **3.** Understand that environmental law cuts across and within legal systems, fields of law, vested interests and disciplinary boundaries. **4.** Develop an understanding of the overall environmental legal regime of the country as well as its international obligations.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Meaning and Definition of environment, environmental pollution, factors responsible for environmental pollution, Provisions of following general laws for protecting the environment in general: 1. Constitution of India 2. The Indian Penal Code, 1860 3. The Criminal Procedure Code, 1973 4. The Factories Act, 1948 Noise- Definition, Sources and its Harmful effect, Remedies for noise pollution, The Environmental (Protection) Act, 1986 (With Latest Amendments)	15
II	The Water (Prevention & Control of Pollution) Act, 1974 (With Latest Amendments) The Air (Prevention & Control of Pollution) Act, 1981 (With Latest Amendments)	15

III	Role of Public Interest Litigation in Protection of Environment, Role of Judiciary in the protection of Environment, The National Green Tribunal Act, 2010 (With Latest Amendments)	15
IV	The Doctrine of Strict liability, Sustainable Development, Polluter pays principle, Public Interest Doctrine, The Doctrine of Absolute Liability, The Public Liability Insurance Act, 1991 (With Latest Amendments)	15

LEADING CASES

1. M.C. Mehta v. Union of India (The Ganga Pollution Case), AIR 1988 SC 115
2. M.C. Mehta v. Union of India (SFFI case), AIR 1987 SC 965
3. Rural Litigation Kendra, Dehradun v. State of U.P., AIR 1987 SC 305
4. Ratlam Municipality v. Virdhi Chand & others, AIR 1980 SC 1622

SUGGESTED READINGS

1. M. R. Grag, V.K. Bansal & N. S. Tiwana*: Environmental Pollution and Protection*, Deep & Deep Publishers, New Delhi, 2016
2. Partha Pratim Mitra: *Wild Animal Protection Laws in India*, LexisNexis India, Gurugram, 2016
3. N. V. Paranjape: *Environmental Laws and Management in India*, Thomson Reuters, Delhi, 2015
4. Surendra Malik & Sudeep Malik: *Supreme Court on Environmental Law*, Eastern Book Company, Lucknow, 2015
5. P. Leelakrishnan: *Environmental Law Case Book*, LexisNexis India, Gurugram, 2010
6. P. Leelakrishnan: *Environmental Law in India*, LexisNexis India, Gurugram, 2010
7. Md. Zafar Mahfooz Nomani: *Environment Impact Assessment Laws*, Satyam Law International, New Delhi, 2010
8. Indrajit Dube: *Environmental Jurisprudence-Polluter's Liability*, LexisNexis India, Gurugram, 2007
9. Patricia W. Birnie & Alan E. Boyle: *International Law and the Environment*, Eastern Book Company, Lucknow, 2004
10. Md. Zafar Mahfooz Nomani: *Legal Control of Radiation Pollution*, Regency Publications, New Delhi, 2004
11. Md. Zafar Mahfooz Nomani: *Natural Resources Law and Policy*, Uppal Publishing House, New Delhi, 2004
12. Md. Zafar Mahfooz Nomani: *Right to Health*: *A Socio-Legal Perspective*, Uppal Publishing House, New Delhi, 2004
13. Armin Roseneranz: *Environment Law and Policy in India*, South Asia Books, New Delhi 2002
14. K. Thakur: *Environmental Protection, Law and Policy in India*, Eastern Book Company, Lucknow, 2002

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CLINICAL COURSE- II, MOOT COURT AND INTERNSHIP, (PRACTICAL WORK ON MOOT COURTS, LEGAL AID CLINIC, LEGAL AID WORKSHOP AND COURT VISITS)						Course Code: SL LAW 03 04 20 C 1245	
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**IV**	**1**	**2**	**4**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100			***(Practical Examination)***				

Course Objectives	This Paper is designed to introduce the students to the practical aspects of the profession by organizing moot courts and sending them to courts for a personal experience of the functioning of courts. It enables them to obtain first-hand information on the practicalities of the working of courts.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Get the necessary feeling of the courtroom environment by arranging moot courts. **2.** Understand the fundamentals of moot court and the rationale and modalities of the moot session. Students will also understand the relevance of attending the court and they will learn the client interviewing techniques and pretrial preparations. **3.** Get an opportunity to visit the Lawyers' Chambers regularly and acquaint themselves with the techniques of client interviewing.

COURSE SYLLABUS

Note:

1. The whole paper will be practical in nature. The students will be taught about the substantive provisions and procedural aspects of Moot Court, Legal Aid Clinic, Legal Aid Workshop and Court Visits mentioned in Unit- I, II, III & IV. The students have to prepare a practical book of 10 Practical exercises of Moot Court, Legal Aid Clinic, Legal Aid Workshop and Court Visits each and submit to the concerned subject teacher.
2. The marks will be awarded by a panel of examiners on the basis of presentation of the contents in the practical file and performance of Viva-Voce.
3. The panel of examiners for Evaluation of practical file and Conduct of Viva-Voce examination, shall consist of the Head of the Department, One External Expert (to be appointed by Dean of the School/Head of the Department), One Internal Expert preferably the teacher, who has taught the subject (to be appointed by Head of the Department), at the place, date and time, fixed by the Head of the Department. The Quorum will consist of two, out of which one external expert must be present.

Unit No.	Contents	Contact Hrs.
I	**Moot Court** Meaning, objectives, purposes and Importance Ten Moot Court Problems	15
II	**Legal Aid Clinic** Steps Involved in Civil Trials and Steps Involved in Criminal Trial. Five Moot Problems of Civil & Criminal Trial	20

III	**Legal Aid Workshop** Interviewing techniques and Pre-trial Preparations Two exercises each dealing with the procedure of filing a civil suit, appeal, writ, SLP and making an application to the tribunal	20
IV	**Court Visit**: Briefs of cases attended during a court visit	20

SUGGESTED READINGS

1. Abhinandan Malik: *Moot Courts & Mooting*, Eastern Book Company, Lucknow, 2015
2. Kailash Rai: *Moot Court, Pre-Trial Preparation and Participating in Trial Proceeding*, Central Law Publications, Allahabad, 2015
3. N.R. Madhav Menon: A Handbook on Clinical Legal Education, Eastern book Company Lucknow, 2008

Note: Students are advised to study the latest edition of the recommended books and case laws.

Note: The students may be allowed for an internship in place of court visits. However, an Internship in one academic session cannot be more than a period of four weeks in continuity preferably the same should be during each summer vacation only.

Course Name: INTELLECTUAL PROPERTY RIGHTS MANAGEMENT							Course Code: SL LAW 03 04 07 E 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**IV**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	This course explores the contours of Intellectual Property Rights (IPR) through a critical lens. It introduces the law students to various aspects of copyright, trademark, patent and designs law that require deep deliberation and reflection, especially in the globalized context. Besides, the course will examine the philosophical foundations of recognizing intellectual property rights. Instead of confining understanding of copyright, patents, trademarks and designs from the perspective of Indian laws, this course opens up debates within the globalized framework.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Attain a thorough understanding of the principles of Intellectual property law. **2.** Demonstrate an ability to provide critical analysis of the legal and policy issues and identify gaps in the literature. **3.** Appreciate the economic and social context within which intellectual property issues are being discussed. **4.** Develop skills to apply the law to hypothetical facts. **5.** Develop critical perspectives on existing laws. **6.** Undertake independent research the field of intellectual property.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Concept, Origin, Nature of Intellectual Property, International Character of Intellectual Property, International Protection of Intellectual Property, Overview of International Conventions, Paris Convention for the Protection of The Industrial Property, 1883, Berne Convention for the Protection of Literary and Artistic Works, 1886, Agreement on Trade-Related Aspects of The Intellectual Property Rights, 1994 (Trips Agreement), WIPO Copyright Treaty, 1996, Madrid Agreement, Madrid Protocol	15
II	The Copyright Act, 1957 & The Copyright (Amendment) Act, 2012 (With Latest Amendments), Meaning and Basis of Copyright, Subject matter of Copyright, Ownership	15

	and Assignment of Copyright, Infringement of Copyright and Remedies, Term of Copyright, Copyright Office and Copyright Board	
III	The Trade Marks Act, 1999 (With Latest Amendments), Trade Mark, Functions of Trade Mark, Registration of Trade Mark, Effects of Registration, Assignment and Transmission of Trademarks, Infringement and Remedies, Passing Off	15
IV	The Geographical Indications of The Goods (Registration and Protection) Act, 1999 (With Latest Amendments) Geographical Indications, Registration of Geographical Indications, Procedure and Duration of Registration	15

LEADING CASES

1. Bajaj Auto Limited v. TV. Motor Company Limited, 2009 (12) SCC 103
2. Bayer Corporation v. Union of India, 162 (2009) DLT 371
3. Wipro Cyprus Private Limited v. Zeetel Electronics, 2010 (44) PTC 307 (Mad)
4. Cedilla Health Care Limited v. Cadila Pharmaceutical Limited, 2001(5) SCC 73
5. R.G. Anand v. M/S Delux Films, AIR 1978 SC 1613
6. Najma Heptulla v. M/s Orient Longman Limited, AIR 1989 Delhi 63

SUGGESTED READINGS

1. S. R. Myneni: *Law of Intellectual Property Rights in Pharma Industry*, Asia Law House, Hyderabad, 2019
2. S. Venkateswaran: *The Law of Trade Marks and Passing-off*, LexisNexis, Gurugram, 2018
3. P. Narayanan: *Copyright and Industrial Designs*, Eastern Law House, Calcutta, 2017
4. P. Narayanan: *Patent Law*, Eastern Law House, Calcutta, 2017
5. V. K. Ahuja: *Intellectual Property Rights in India*, Lexis Nexis, Gurugram, 2017
6. Mathew Thomas: *Understanding Intellectual Property*, Eastern Book Company, Lucknow, 2013
7. David Bainbridge: *Intellectual Property*, Pearson Education, Delhi, 2012
8. Dr. B. L. Wadehra: *Law relating to Patents, Trademarks, Copyright, Design and Geographical Indications*, Universal Law Publishing Co. Ltd., New Delhi, 2011
9. Paul Torremans: *Holyoak & Torremans-Intellectual Property Law*, Oxford University Press, New York, 2010
10. Ashwani Bansal: *Law of Trade Marks in India with an introduction to Intellectual Property Laws, Institute of Constitutional and Parliamentary Studies*, New Delhi, 2009
11. Alka Chawla: *Copyright and Related Rights: National and International Perspectives*, Macmillan India Ltd., Delhi, 2007
12. P. Narayanan*: Intellectual Property Law in India*, Gogia Law Agency, Hyderabad, 2007
13. Elizabeth Verkey: *Law of Patent*, Eastern Book Company, Lucknow, 2005
14. Latha R. Nair & Rajendra Kumar: *Geographical Indications*: A Search for Identity, LexisNexis India, Gurugram, 2005
15. W. R. Cornish: *Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights*, Universal Law Publishing Co. Pvt. Ltd., Delhi, 2003
16. P. Narayanan: *Intellectual Property Law*, Eastern Law House, Calcutta, 2001
17. Catherine Colston: *Principles of Intellectual Property Law*, Sweet & Maxwell, London, 1999
18. Hilary Pearson & Clifford Miller: *Commercial Exploitation of Intellectual Property*, Blackstone Press, London, 1990

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: COMPETITION LAW				Course Code: SL LAW 03 04 08 E 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**IV**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The process of globalization and liberalization have brought a considerable awareness towards improving the competitive process in developing economies such as India. Until recently most of the developing countries operated without a structured competition policy, and have justified the intervention by the state over economic activities. India owing to its WTO obligations enacted Competition Act, 2002. The course seeks to provide fundamentals of market economy and extensive knowledge of application of competition policy in India.						
Course Outcomes	After the completion of this Course, the student would be able to: **1.** Provide students with an understanding of Competition law, together with the ability to subject it to critical, legal and economic analysis. **2.** Apply Competition Law principles to the given cases. **3.** Rationalise and suggest solutions to the fundamental issues of competition law. **4.** Identify anti-competitive agreements and suggest remedies. **5.** Explain pricing strategies and abuse of dominant position. **6.** Analyze and apply economic theory and the COMPAT/NCLAT to determine and resolve complex Competition Law issues legal requirements of CCI.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	The Competition Act, 2002 (With Latest Amendments), Background, Prohibitions, Competition Commission of India, Competition Advocacy, SEBI Act, 1992, the Securitization & Reconstruction of Financial Assets & Enforcement of Security Interest Act, 2002	15
II	Regulatory Framework for Foreign Trade, Multinational Companies, Foreign Trade (Development Regulation) Act, 1992 and The Foreign Exchange Management Act, 1999 with Background, Policies and Authorities	15
III	Basic concept of Technology and Law: Understanding the Technology, Scope of Cyber Laws, and Cyber Jurisprudence. Understanding Electronic Contracts: The Indian Law of	15

	Contract, Types of Electronic Contracts, Construction of Electronic Contracts, Copyrights and Trademarks in the Information Technology Era	
IV	The Information Technology Act 2000 (With Latest Amendments) Digital Signature, E-Governance, Regulation of Certifying Authorities, Duties of Subscribers, Penalties and Adjudication, Offences under the Act, Making of Rules and Regulation. Cyber Crimes: Understanding Cyber Crimes, Crime in context of the Internet, Types of Crime in the Internet, Indian Penal Law & Cyber Crimes	15

LEADING CASES

1. Builders Association of India v. Cement Manufacturers' Case No. 29/2010, CCI, Date of Order: 20.06.2012
2. All India Tyre Dealers' Federation v. Tyre Manufacturers 2013 COMP LR 92 (CCI), Date of Order: 30.10.2012
3. Exclusive Motors Pvt. Limited v. Automobile Lamborghini S.P.A CCI Case No. 52/2012, Order Date: 06.11.2012
4. Competition Commission of India v. Steel Authority of India Ltd. & Anr., (2010) 10 SCC 744
5. Brahm Dutt v. Union of India, AIR 2005 SC 730

SUGGESTED READINGS

1. V.K. Agarwal: *Competition Act, 2002 (Principles and Practices)*, Bharat Law House, Jaipur, 2019
2. Jayant Kumar: *Competition Law in India (A Comprehensive guide to understanding the development of the competition law in India)*, Eastern Law House, Kolkata, 2018
3. Sudhanshu Kumar, Dhanendra Kumar: *S M Dugar Guide to Competition Act, 2002 (An exhaustive section-wise commentary incorporating all legislative and judicial developments)*, LexisNexis, Gurugram, 2017
4. Vakul Sharma: *Cyber Crime, Universal Law Publishing* - An imprint of Lexis Nexis, Gurugram, 2016
5. Prof. S.R. Bhansali**:** *Commentary on the Information Technology Act*, Lexis Nexis, Gurugram, 2015
6. T. Ramappa: *Competition Law in India - Policy, Issues and Developments*, Oxford University Press, 2013
7. Richard Whish, David Bailey: *Competition Law*, Oxford University Press, 2012
8. Vinod Dhall: *Competition Law Today - Concepts, Issues, and the Law in Practice*, Oxford University Press, 2007

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-V

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Civil Procedure Code, 1908-I	SL LAW 03 05 21 C 4004	4	0	0	4
2	Land Laws Including Land Acquisition System and Panchayati Raj Institutions	SL LAW 03 05 22 C 4004	4	0	0	4
3	Law of Evidence	SL LAW 03 05 23 C 4004	4	0	0	4
4	Principles of Taxation	SL LAW 03 05 24 C 4004	4	0	0	4
5	Clinical Course-III: Drafting, Pleadings and Conveyancing	SL LAW 03 05 25 C 1245	1	2	4	5
Course Code Elective Course(s)						
1	Banking Law including The Negotiable Instrument Act, 1881	SL LAW 03 05 09 E 4004	4	0	0	4
2	Law of Corporate Finance	SL LAW 03 05 10 E 4004	4	0	0	4

Course Name: CIVIL PROCEDURE CODE, 1908- I				Course Code: SL LAW 03 05 21 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**V**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	To acquaint the students with the basic principles and objective of procedural law in civil matters and to enable the students to understand the importance of procedural law vis a vis substantive law, especially with regard to basic concepts like framing a suit, joinder and misjoinder of parties, causes of actions, Res-judicata, jurisdiction, interim orders etc.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand and practically apply the basic principles of procedural law in civil matters. **2.** Comprehend issues regarding jurisdiction of suits. **3.** Understand the concept of joinder, misjoinder and non-joinder of parties while framing suits. **4.** Apply the principle of Res-judicata. **5.** Frame pleadings. **6.** Comprehend the different types of special suits. **7.** Understand the modes of delivery of summons and consequences of non-appearance of parties. **8.** Differentiate between a decree and order and judgment.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Short title, extent and commencement (section 1), Definitions (Section-2), Jurisdiction of the courts, Courts to try all civil suits unless barred (Section-9), Principle of Res-Sub-judice (Section-10), Principle of Res-Judicata (Section-11), Bar of Suits (Section 12), Foreign judgment (Section 13-14) Place of Suing (Section-15 to 20), Objections to the jurisdiction of courts (Section 21-21A), Transfer of Suits (Section 22-25)	15
II	Summoning and Attendance of Witnesses (Section 27-29, 31-32, Order XVI-XVI-A), Judgment and Decree (Section-33, Order-XX), Payment of Interest (Section-34), Payment of Costs (Section 35, 35A-35B, Order XXA-25)	15
III	Parties to the Suit (O-I), Framing of Suits (O-II), Recognized Agents and Pleaders (O-III), Issuance and Service of summons to defendants (O-V), Pleadings (O-VI), Plaint (O-VII), Written Statement	15

IV	Effect of Appearance or non-appearance of Parties (O-IX), Examination of parties at the first hearing (O-X), Discovery and Inspection (Section-30, Order-XI) Settlement of Issues (O-XIV-XV) Hearing of parties to the suit (O-XVIII, XIX) Abatement of Suits (O-XXII), Withdrawal of Suits (O- XXIII), Commission (Section 75 to 78 & Order-XXVI)	15

LEADING CASES

1. Begam Sahiba Sultan V. Nawab Mohammad Mansoor Ali Khan, (2007) 4 SCC 343
2. National Institute of Mental Health v. C Permeshwara, AIR 2005 SC 212
3. Ram Saroop v Daljit Singh, AIR 1995 Delhi 351
4. Smt Vidyavati v Sri Devi Dar, AIR 1977 SC 397
5. State of UP v. Nawab Hussain, AIR 1977 SC 1680
6. Major S.S. Khanna v Brig. F.J Dillon, AIR 1964 SC 497
7. Amar Nath Dogra v. Union of India, AIR 1963 SC 424
8. Manohar Lal v. Seth Hira Lal, AIR 1962 SC 527
9. Sinha Ramanuja v. Ranga Ramanuja, AIR 1961 SC 1720
10. Munni Bibi v. Triloki Nath, AIR 1931 PC 114

SUGGESTED READINGS

1. Vinay Kumar Gupta: Mulla-*The Key to Indian Practice (A Summary of the Code of Civil Procedure)*, LexisNexis India, Gurugram, 2017
2. C.K. Thakkar & M. C. Thakkar: *Civil Procedure with Limitation Act, 1963*, Eastern Book Company, Lucknow, 2016
3. N. Maheshwara Swamy: *Law Relating to Civil Procedure and Limitation*, Asia Law House, Hyderabad, 2016
4. Sukumar Ray: *Textbook on the Code of Civil Procedure*, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2015
5. Avtar Singh: *Code of Civil Procedure*, Central Law Publications, Allahabad, 2015
6. Shailender Malik: *The Code of Civil Procedure (CPC*) Universal Law Publishing Co Pvt. Ltd., New Delhi, 2012
7. M. P. Jain: *The Code of Civil Procedure (CPC),* LexisNexis India, Gurugram, 2011

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAND LAWS INCLUDING LAND ACQUISITION SYSTEM AND PANCHAYATI RAJ INSTITUTIONS							Course Code: SL LAW 03 05 22 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**V**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	About 60% of the Indian population mainly depends on agriculture and land is precious to the agriculturists for sustaining their livelihood. Each state has the power to make special laws or rules with respect to the land under its jurisdiction with respect to the transfer of agricultural property, which includes registration or prohibiting persons from alienation or transfer of it.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Address the issues of legal mandates set forth by a country in regards to land ownership. **2.** Get in-depth knowledge of Central and State Land Laws. **3.** Enhance the skills, interpretation and application of different types of Land Laws. **4.** Focus on land reforms besides Land Acquisition procedures enunciated in the Act of 1894 & 2013 and the constitutional perspective relating to this subject have to be taught as an essential part of this course.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**The Punjab Land Revenue Act, 1887 (With Latest Amendments)** Definitions, Revenue Officers, Power and Functions, Preparation of Revenue Records: Like Documents of Jamabandi, Girdawarri, Mutation, Intkaal, Sijra Nasab (Pedigree Table) Sijra Axe (Map of the Village), Assessment of Land Revenue, Collection of Land Revenue, and Concepts & Procedure of Partitions, Jurisdiction of Civil Courts under the Act	15
II	**The Haryana Ceiling on Land Holding Act, 1972, (With Latest Amendments)** Principles of Economic and Social justice and Land Reforms, Definition of Key Words (Section-3), Concept of Permissible Area and Surplus Area (Section-4 to 6), Ceiling on Land, Land exempted from Ceiling Utilization and Disposal of Surplus Area (Section 7 to 15), Appeal by the Aggrieved Party (Section-18), Leading provisions of the Haryana Urban Rent Control Act, 1973 (With Latest Amendments)	15

III	**The Right of Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013, (With Latest Amendments)** Preliminary, Definitions (Section 13), Determination of Social Impact and Public Purpose (Section 4-9), Special Provisions to Safeguard Food Security (Section 10), Notification and Acquisition (Section 11-30), Rehabilitation and Resettlement Award (Section 31-42), Procedure and Manner of Rehabilitation and Resettlement (Section 43-47), National Monitoring Committee for Rehabilitation and Resettlement (Section 48-50), Establishment of Land Acquisition, Rehabilitation and Resettlement Authority (Section 51-74), Apportionment of Compensation (Section 75-76), Payment (Section 77-80), Temporary Occupation of Land (Section 81-83), Offences and Penalties (Section 84-90), Miscellaneous (Section 91-114)	15
IV	**The Haryana Panchayati Raj Act, 1994 (With Latest Amendments)** General Provisions applicable to Gram Panchayat, Panchayat Samiti and Zila Parishads (Ss. 3-6), Sabha Area, Constitution of Gram Sabha and Gram Panchayat (Ss. 7-12), Gram Panchayat (Ss. 13-38), Control (Ss.46-54), Panchayat Samiti (Ss. 56-87), Supervision (Ss. 106-116), Zila Parishad (Ss. 117-143), Supervision of Zila Parishad (Ss. 155-160), Provisions Relating to Election (Ss. 162-188)	15

LEADING CASES

1. Rajbala v. State of Haryana, Writ Petition (Civil) No. 671 of 2015, (2016) 1 SCC 463
2. Javed v. State of Haryana, AIR 2003 SC 3057
3. Harish v. Ghisa Ram, AIR 1981 SC 695
4. Dalip Kaur v. Union of India, AIR 1994 (P&H)140
5. Jaswant Kaur v. State of Haryana, AIR 1977 (P&H) 221
6. Chandu Lal v. Kalia and Goria, 1976 PLJ 548
7. Chhote Khan & Others v. Malkhan & Others, AIR 1954 SC 575

SUGGESTED READINGS

1. Narula: Punjab and Haryana Land Laws, Allahabad Law Agency, Faridabad, 2019
2. Harshali Chowdhary: Punjab and Haryana Land Laws, Central Law Publications, Allahabad, 2016
3. D.P.S. Kanwal: Land Laws (Including Land Acquisition and Rent Laws), Satyam Law International, New Delhi, 2016
4. Neety Kaul: Land Laws in Punjab and Haryana, Chawla Publications (P) Ltd. Chandigarh, 2014
5. Bare Act: *The Right of Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013*
6. P. K. Sarkar: *Law of Acquisition of Land in India*, Eastern Law House, Kolkata, 2012
7. Gurdial Singh Jaswal And Bhagatjit Singh: *Haryana Panchayati Raj Act, 1994*, Chawla Publications (P) Ltd. Chandigarh, 2004
8. Bare Act: *The Punjab Land Revenue Act,1887*
9. Bare Act: *The Haryana Urban Rent Control Act, 1973*
10. Bare Act: *The Haryana Ceiling on Land Holding Act, 1972*
11. Bare Act: *The Haryana Panchayati Raj Act, 1994*

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAW OF EVIDENCE				Course Code: SL LAW 03 05 23 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**V**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					

Course Objectives	The course is intended to initiate the law student into understanding the parameters for determining facts within the adjudicative process. Explain the legal principles relevant to the topics considered in this course Prepare the law student to make an informed appreciation of the law of evidence in practice in trial courts.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Critically analyse and evaluate the process of proving facts within the courts. **2.** Use appropriate legal concepts, relevant judicial precedents and statutory law to solve practical problems of evidence. **3.** Identify and critically analyse evidentiary rules and principles. **4.** Engage in effective research and writing in the law of evidence. **5.** Appreciate the professional responsibility in preserving and use of evidence in litigation and criminal proceedings.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Preliminary (Section 1-3), May Presume, shall Presume, Conclusive proof (Section-4), Relevancy of facts (Section 5-16), Admissions (Section 17-23, 31), Confessions (Section 24-30)	15
II	Statements by persons who cannot be called as a witness (Section 32-33), Statements made under special circumstances (Section 34-39), Judgments of courts of Justice, when relevant (Section 40-41), Opinion of third-person when relevant (Section 45-51), Characters when relevant (Section 52-55), Facts need not be proved (Section 56-58), Oral evidence (Section 59-60), Documentary evidence (Section 61-73), Public Documents (Section 74-90)	15
III	Exclusion of oral evidence by documentary evidence section (91-100), Burden of Proof (Section 101-111), Presumptions as to certain offenses (Section 111-114A), Estoppel (Section 115-117)	15
IV	Witnesses, privileged Communications (Section 118-132), Accomplice (Section 133), Number of witnesses (Section 134), Examination of Witnesses, Examination-in-Chief,	15

	Cross-examination, Re-examination, Leading Questions, when they may be asked and when they may not be asked when a witness to be compelled to answer, questions may or may not be asked, during cross-examination, question by the party to his witness, Impeaching the credit of witness, Refreshing memory, Judge's power to put questions or order Production (Section 135-166), Improper admission or rejection of evidence (Section 167)	

LEADING CASES

1. Pakala Narayana Swami v. Emperor, AIR 1939 PC 47
2. Nishikant Jha v. State of Bihar, AIR 1969 SC 422
3. State of Punjab v. Sodhi Sukhdev Singh, AIR 1961 SC 493
4. Salem Advocate Bar Association v. UOI, AIR 2003 SC 189
5. Retan Singh v. State of Gujarat, AIR 2004 SC 23

SUGGESTED READINGS

1. Avtar Singh: *Principles of the Law of Evidence*, Central Law Agency, Allahabad, 2018
2. V. Krishnamachari & Surender K. Gogia: *Law of Evidence*, S. Gogia & Co., Hyderabad, 2018
3. Justice M. Monir: *Textbook on the Law of Evidence*, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2018
4. C. D. Feild: *Commentary on Law of Evidence (In India, Pakistan, Bangladesh, Burma, Ceylon, Malaysia and Singapore)*, Delhi Law House, New Delhi, 2016
5. Justice U.L. Bhat: *Lectures on the Indian Evidence Act*, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2016
6. Mukund Sarda & Prof. D.S. Chopra: *Cases and Materials on Evidence Law*, Thomson Sweet & Maxwell, London, 2015
7. Batuk Lal: *Law of Evidence in India*, Central Law Agency, Central Law Agency, Allahabad, 2015
8. Justice M. Monir & Shriniwas Gupta: *Law of Evidence*, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2012
9. Stephen Mason: *Electronic Evidence*, LexisNexis India, Gurugram, 2010

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: TAXATION LAWS							Course Code: SL LAW 03 05 24 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**V**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	Principles of Taxation Laws intends to appraise the students with the rules and regulations according to which income of the assessee is taxed in India and its implications on the taxpayers. The objective of drafting the syllabus in a below-mentioned manner is to give a comprehensive picture of the Income Tax Act, 1961 in addition to the latest relevant Finance Acts.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand the concept, nature and method by which income tax is levied in India. **2.** Study all heads of income and train the students to calculate tax liability keeping in mind all rules and regulations of both taxation and exemptions. **3.** Provide conceptual clarity on all concepts of income tax as all the topics are intricately linked and intertwined with one another in a way that no one topic can be fully understood if read in isolation. **4.** Understand the relevance of taxation in India and appreciate how important it is in making financial decisions in practicality. **5.** Equip with enough practical knowledge of the subject so that they are not dependent on anyone when it comes to filling their income tax returns.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Tax and Fee, Capital Receipt and Revenue Receipt, Scope of Tax Laws, Distribution of Tax Resources between Union and the States (Article 268-279), Surcharge; Grant-in-Aid, Constitution of Finance Commission and Functions, Principles Governing the Share of Income Tax, Inter-Government Tax Immunities (Article 285-289)	15
II	Concept & Definition: Income (Section-2 (24), Total Income (Section2 (45), Agriculture Income Section 2 (1-A), Assessee (Section-2 (7), Assessment Year & Previous Years 2 (9), Assessing Officer, Income which do not form part of total income (Section-10-13A), Capital Receipt, Revenue Receipt, Capital Expenditure & Revenue Expenditure, Income: Salary (Sections 15-17)	15

III	Income from House Property (Sections 22-27), Profits & Gains of Business and Profession (Sections 28 & 32, 33,33A, 34, 36-37), Capital Gains (Sections 45-55A), Income from Other Sources (Sections 56, 58)	15
IV	Set off and Carry forward of Losses (Sections 70-80), Income Tax Authorities (Sections 116-138), Appeal Reference & Revision, Collection Recoveries and Refund (Sections 190-234, 237 to 245), Penalties, Offences & Prosecution (S. 271-280)	15

LEADING CASES

1. K.C. Builders and Another v. Asstt. Commissioner Income Tax, (2004) 265 ITR 562 (SC)
2. Pradeep J. Mehta v. CIT, (2002) 256 ITR 647 (Guj.)
3. C.I.T. v. Raja Benoy Kumar Sahas Roy, 32 ITR 466 SC 1957
4. Commissioner, Hindu Religious Endowments v. Sri Lakshmindra Thirtha Swamiar of Sri Shirur Mutt, 1954 SCR 1005

SUGGESTED READINGS

1. V. S. Datey: *Indirect Taxes Law and Practice*, Taxman Publications, New Delhi, 2020
2. H. C. Mehrotra and Dr. S.P. Goyal: *Direct Taxes (with Tax Planning)*, Sahitya Bhawan, Agra, 2019
3. S.R. Myneni: *Law of Taxation*, Allahabad Law Publications, Faridabad, 2019
4. Girish Ahuja and Ravi Gupta*: Professional Approach to Direct Taxes Law & Practice*, Bharat Publications, New Delhi, 2019
5. Vikas Mundra: *Tax Laws and Practices*, Law Point Publications, Kolkata, 2018
6. V. K. Singhania: *Students Guide to Income-Tax including Service Tax/VAT*, Taxman Publications Pvt. Ltd., New Delhi, 2017
7. Balram Sangal and Jagdish Rai Goel: *All India VAT manual (4 Vols.)*, Commercial Law Publishers (India) Pvt. Ltd., Delhi, 2016
8. Girish Ahuja and Ravi Gupta: *Systematic Approach to Income-Tax, Service Tax and VAT*, Bharat Law House, Jaipur, 2016
9. V. S. Datey: *Service Tax Ready Reckoner*, Taxman Publications, New Delhi, 2015
10. Sampath Iyengars: *Law of Income Tax*, Bharat Law House Pvt. Ltd., Jaipur, 2013
11. B. B. Lal and N. Vashist: *Direct Taxes, Income Tax, Wealth Tax and Tax Planning*, Darling Kindersley (India) Pvt. Ltd., Delhi, 2012
12. J. K. Mittal: *Law, Practice & Procedure of Service Tax*, *CCH India*, (Walters Kluwer (India) Pvt. Ltd.), New Delhi, 2009

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CLINICAL COURSE- III, DRAFTING, PLEADINGS AND CONVEYANCING				Course Code: SL LAW 03 05 25 C 1245			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**V**	**1**	**2**	**4**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100			***(Practical Examination)***				
Course Objectives	The aim of the course to gain about the drafting of pleading as drafting is a skill to present one's case in an effective, clear, logical, precise and certain manner. Drafting of Pleadings constitutes the foundation of a litigation case. Conveyancing deals with the process of transfer of rights in the property from one person to another person. The aim of the course that the documents of Conveyance must be drafted very carefully.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand the basic principles of Drafting, Pleadings and Conveyance Deeds. **2.** Disseminate the fundamental principles of drafting which are very crucial about the propriety of the cases to be filed. **3.** Impart the awareness of the basic rules of Judgment Writing.						

COURSE SYLLABUS

NOTE:

1. The whole paper will be practical in nature. The students will be taught about the substantive provisions and procedural aspects of drafting, pleading and Conveyancing mentioned in Units- I, II, III & IV.

2. The students have to prepare a proper practical file on the contents of each unit and submit to the concerned subject teacher.

3. The marks will be awarded by a panel of examiners on the basis of presentation of the contents in the practical file and performance of Viva-Voce.

4. The panel of examiners for Evaluation of practical file and Conduct of Viva-Voce examination, shall consist of the Head of the Department, One External Expert (to be appointed by Dean of the School/Head of the Department), One Internal Expert preferably the teacher, who has taught the subject (to be appointed by Head of the Department), at the place, date and time, fixed by the Head of the Department. The Quorum will consist of two, out of which one external expert must be present.

Unit No.	Contents	Contact Hrs.
I	**DRAFTING** General Principles of Drafting, Kinds of Deeds, Drafting of Writ Petition, Drafting of PIL Cases, Drafting of Execution Petition, Drafting of Appeal, Drafting of Revision and Writ Petitions	20
II	**PLEADING** Civil Pleading: Preparation of Plaint, Preparation & Pleading of Written Statement, Inter Locutory Order and Applications, Affidavit, Execution Petition, Preparation of Memorandum of Appeal, Criminal Complaints, Bail Application & Anticipatory Bail Application, Petition under Hindu Marriage Act, Petition under Motor Vehicle Act	20
III	**CONVEYANCING**	20

	Sale Deed, Mortgage Deed, Lease Deed, Gift Deed, Power of Attorney (General & Special) Will, Notice	
IV	1. Practical Exercises of Drafting 2. Practical Exercises of Pleading 3. Practical Exercises of Conveyancing	15

SUGGESTED READINGS

1. A.B. Kafaltiya: *Textbook on Pleadings, Drafting and Conveyancing*, Universal Law Publishing Co Pvt Ltd. Lexis Nexis Gurugram, 2017
2. N. Maheshwara Swamy: *Text Book of Drafting, Pleadings and Conveyancing,* Asia Law House, Hyderabad, 2017
3. Rodney D. Ryder: *Drafting Corporate & Commercial Agreements*, Universal Law Publishing Co., Delhi, 2017
4. Prof. K. Mony, K. Usha: *Legal Drafting Conveyancing Professional Ethics and Advocacy*, Usha Publications, Pune, (Maharashtra), 2017
5. Kamya Chawla Gill: *Drafting, Pleading and Conveyancing*, Universal Law Publishing Co Pvt. Lt. Lexis Nexis, Gurugram, 2016
6. S.R. Myneni: *Drafting, Pleading and Conveyancing*, Asia Law House, Hyderabad, 2015
7. S. K. Verma: *Conveyancing Drafting & Interpretation of Deeds*, Law Publishers, Allahabad, 1999
8. Justice K. N. Goyal: *The Law of Pleadings in India*, Eastern Law House, Calcutta, 1987
9. G. M. Kothari and Arvind G. Kothari*: Drafting, Conveyancing and Pleadings*, N.M. Tripathi (P.) Ltd., Bombay,1982

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: BANKING LAW, INCLUDING THE NEGOTIABLE INSTRUMENT ACT, 1881							Course Code: SL LAW 03 05 09 E 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**V**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks		**Examination Duration:** 3 Hrs.					
Course Objectives	The course aims to equip students with skills to work as legal advisors to banking and financial Companies. Train students in identifying legal issues and challenges faced in the Banking sector that needs further research. Discuss and analyze important principles governing the Banking sector. Familiarize students with the working of the banking sector especially transactions that require legal assistance.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Draft arguments for and against Banking and Non-Banking Financial Companies. **2.** Undertake research projects related to Banking related laws and policies. **3.** Draft arguments in matters covering technology-related legal issues. **4.** Draft policies related to the banking sector.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Banking**:** Definition, Meaning, Bank, Banker, Banking Company, Commercial Banks and Functions, Essential Functions, Agency Services, General Utility Services, Information Service, Emergence of Multi-Functional Dimensions, System of Banking-Unit Banking, Branch Banking, Group Banking and Chain Banking, Banking Companies in India	15
II	Customer**:** Meaning, Legal Character of Banker-Customer Relationship, Rights and Obligation of Banks, Right of Set-Off, Bankers Lieu, Duty of Confidentiality, Exceptions to the Duty, Current Accounts, Deposits Accounts, Joint Accounts and Trust Accounts, Special Type of Customers-Lunatics, Minors, Agents, Administrators and Executors, Partnership Firms and Companies.	15
III	Control by Government and its Agencies Need for Elimination of Systematic Risk, Avoidance Money Laundering, Control by Ombudsman, R.B.I., R.B.I. Central Bank of India, Evolution of Central Bank, Characteristics and Functions of Central Banks, Central Bank as Banker and Advisor of the State, Central Bank as Bankers Bank, Objectives and	15

	Organizational Structure of R.B.I., Regulations of the Monetary system, Monopoly of Note Issue, Credit Control, Determination of Bank Safe Policy, Control over Non-Banking Financial Institutions, Control and Supervision of other Banks, Life Insurance Policies as Security, Debenture as Security Guarantee as to Security	
IV	Negotiable Instrument and its Kinds, Holder and Holder in Due Course, Parties, Payment in Due Course, Negotiation, Presentment and Discharge from Liability, Dishonour, Civil Liability, Procedure for Prosecution, Extent of Penalty, The Paying Bankers, Duty to Honour Customers Cheques, Exceptions to the Duty to Honour Cheques, Money Paid by Mistake, Good Faith and Statutory Protection to the Collecting Banker	15

LEADING CASES

1. Canara Bank v. Canara Sales Corporation, AIR 1987 SC 1603
2. Bank of Bihar v. Damodar Parsad, AIR 1969 SC 297
3. Bengal Bank v. Satinder Nath, AIR 1952, Col. 385
4. Lloyod v. Grace Smith Company, 1912 AC 716

SUGGESTED READINGS

1. K. S. N. Murthy and K. V. S. Sarma: Modern Law of Insurance in India, LexisNexis India, Gurugram, 2019
2. A. B. Srivastava and K. Elumalai: Seth's Banking Law, Law Publisher's India (P) Limited, Allahabad, 2014
3. Sachin Rastogi: Insurance Law and Principles, LexisNexis, India Gurugram, 2014
4. L. C. Goyle: *Law of Banking and Bankers*, Eastern Law House, New Delhi, 2012
5. M. L. Tannan (Revised by C. R. Datta & S. K. Kataria): *Banking Law and Practice,* LexisNexis India, Gurugram, 2012
6. R. K. Gupta: Banking: *Law and Practice*, Modern Law Publications, Allahabad, 2011
7. Prof. Clifford Gomez: *Banking and Finance-Theory, Law and Practice*, PHI Learning Private Limited, New Delhi, 2011
8. J. M. Holden: *The Law and Practice of Banking*, Universal Law Publishing, Allahabad, 1998
9. Lord Chorley and P. E. Smart: *Leading Case in the Law of Banking*, Bharat Law House, New Delhi, 1990
10. Herbert P. Sheldon: *Practice and Law of Banking*, Macdonald & Evans Ltd., United Kingdom, 1972

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAW OF CORPORATE FINANCE						Course Code: SL LAW 03 05 10 E 4004	
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**V**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	Corporate Finance is concerned with the financing and investment decisions made by the management of companies in pursuit of corporate goals. This subject is concerned with the study of how companies make financing and investment decisions, and it is often the case that theory and practice disagree. In Corporate Finance, the fundamental goal is usually taken to be to increase the wealth of shareholders. Corporate finance gives an understanding of the reasons why shareholder wealth maximization is the primary financial objective of a company, rather than other objectives a company may consider						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Recapitulate the basics of Corporate Law and also sets the stage for introducing the meaning, nature and scope of Corporate Finance. **2.** Understand the concepts, and objectives of Corporate Finance like risk and return, time value of money, profit and wealth maximization, agency problem, etc. **3.** Understand the area of capital budgeting, the meaning, importance, principles involved in it, the process and the steps involved, etc. It also talks about the role and function of a financial manager. **4.** Get updation about the area of intermediaries, their roles, responsibilities and their contribution in the entire issues management (pre-issue and post issue). It tries to exclusively talk through the role, functions, and powers of the different intermediaries with the help of different regulations issued by SEBI.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Meaning, Importance and scope of Corporate Finance, Capital needs, capitalization, working capital, securities borrowings, deposits, debentures, share capital, issue and allotment, shares without monetary consideration, Non-opting equity shares, Payment of Commission and brokerage, Buyback of shares, New Financial Instruments	15
II	Debentures, Nature, Issue and class, Creation of Charges, Fixed and floating charges, Mortgages, Convertible debentures, Inter Corporate loans and investments	15

III	Individual shareholders rights, Corporate Membership Rights, Conversion, Consolidation and re-organization of shares, Transfer and Transmission of Securities, Dematerialization & Rematerialisation of Securities	15
IV	Need for creditor Protection, Creditor self-protection, Rights in making company decisions affecting creditors' interests, Preference in payment, Incorporation of favorable terms in lending contracts, Right to nominate directors, Indian depository receipts(IDR), American depository receipts (ADR), Global Depository receipts(GDR), Mutual Fund and other collective investment schemes, Institutional investments (LIC, UTI, Banks, IMF, World Bank), Basic Provisions of SEBI Act and its Regulatory Powers in corporate finance	15

LEADING CASES

1. **Anand Rathi v. SEBI, (2002) Comp. Cases (SAT) 1000**
2. **Allahabad Bank v. Bengal Paper Mills Co. Ltd., 1999(6) SRJ 396 SC**
3. **Vantech Industry Ltd. Re (1999) 2 Com.L.J.-47**
4. **LIC v. Escorts, 1986 SCC 264**

SUGGESTED READINGS

1. Eilis Ferran, Look Chan Ho: *Principles of Corporate Finance Law*, OUP Oxford, 2014
2. Altman and Subrahmanyan: *Recent Advances in Corporate Finance* (1985) LBC
3. A.K. Majumdar: *Company Law and Practice*, Taxman Publications Private Limited, New Delhi, (2012)
4. Satya Prasad B. G: *Kulkarni P V, Financial Management*, Himalaya Pub. House-New Delhi, 2011
5. Tripathi B K: *Company Law and Corporate Finance*, Sumit Enterprises, New Delhi, 2010

Note: Students are advised to study the latest edition of the recommended books and case laws.

SEMESTER-VI

Sr. No	Course Nomenclature	Course Code (Core)	Lecture	Tutorial	Practical	Credit
1	Civil Procedure Code, 1908-II, Including The Limitation Act, 1963	SL LAW 03 06 26 C 4004	4	0	0	4
2	Criminology, Penology and Victimology	SL LAW 03 06 27 C 4004	4	0	0	4
3	Company Law	SL LAW 03 06 28 C 4004	4	0	0	4
4	Environmental Laws	SL LAW 03 06 29 C 4004	4	0	0	4
5	Clinical Course-IV: Professional Ethics and Professional Accountability	SL LAW 03 06 30 C 1245	1	2	4	5
Course Code Elective Course(s)						
1	Service Laws	SL LAW 03 06 11 E 4004	4	0	0	4
2	Law of Insurance	SL LAW 03 06 12 E 4004	4	0	0	4
3	Law Relating to Bankruptcy and Insolvency	SL LAW 03 06 13 E 4004	4	0	0	4
4	Equity, Trust and Fiduciary Relations	SL LAW 03 06 14 E 4004	4	0	0	4
5	Disaster Management in India	SL LAW 03 06 15 E 4004	4	0	0	4

Course Name: CIVIL PROCEDURE CODE, 1908- II, INCLUDING THE LIMITATION ACT, 1963							Course Code: SL LAW 03 06 26 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The aims of the course is to acquaint the students with the basic principles of procedural law in civil matters, especially about the execution of decrees and orders, the procedure for appeals in civil matters and also the basic principles of the law of Limitation as applicable to suits appeals and applications.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand and practically apply the basic principles of procedural law in civil matters. **2.** Comprehend and get an insight into various aspects of the execution of decrees. **3.** Differentiate and practically understand the differences between appeal, reference, review and revision under the civil procedure. **4.** Calculate the period of limitation by practically applying the principles of the Law of Limitation in common disputes.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Execution of Decree (Section 36-50), Modes of Execution (Section 51-54), Arrest and Detention (Section 55-59 & O-21 Rules 37-40), Attachment of Property (Section-60-64), Sales of Attached Property (O-21 Rules 64-69), Apportionment (Section 70-73) & Misc. provisions (Section 132-152)	15
II	Suit by or against Govt. & Public Officer (Section 79-82), ADR (Section-89) Suit for abatement of Public Nuisance and against Public trusts (Section 91-92), Suits against minors and unsound mind persons (Order-XXXII), Indigent persons (Order -XXXIII) Interpleader suit (Section-88 & Order -XXXV) Attachment before judgment (Section 94-95, Order-XXXVIII) and Ad-interim Injunctions (Order -XXXIX) Appointment of Receiver (Order -XL)	15
III	Appeal from Original Decree (Section 96-99 & Order -XLI), Appeal from Appellate Decree (Section 100-103 & Order-XLII), Appeal from Orders (Section 104-106 & Order -XLIII),	15

	Appeals by Indigent persons (Order -XLIV), Appeal to the Supreme Court (Section 109-110, Order- XLV) Reference (Section-113 & Order - XLVI), Review (Section -114 & Order - XLVII), Revision (Section -115, Order-XLVII)	
IV	The Limitation Act, 1963 (With Latest Amendments), Objectives of the Act, extent & commencement (Section-1), Definitions (Section-2), Limitation of Suits, Appeal and Application (Section 3-11), Computation of period of limitation (Section 12-15), Effect of Death, Fraud, Acknowledgement and Payments, etc. on Limitation (Section 16- 22), Acquisition of Ownership by prescription (Section 25-27)	15

LEADING CASES

1. National Institute of Mental Health v. C Permeshwara, AIR 2005 SC 212
2. Smt Nirmla Gupta v Ravinder Kumar, AIR 1996 MP 227
3. Ramchandra Pandurang Sonar v Murlidhar Ramchandra Sonar, AIR 1990 SC 1973
4. Smt Vidyavati v Sri Devi Dar, AIR 1977 SC 397
5. Amar Nath Dogra v. Union of India, AIR 1963 SC 424
6. Hira Lal Patni v Sri Kali Nath, AIR 1962 SC 199
7. Ram Lal v Rewa Coal Fields Ltd., AIR 1962 SC 361

SUGGESTED READINGS

1. Vinay Kumar Gupta: Mulla-*The Key to Indian Practice (A Summary of the Code of Civil Procedure)*, LexisNexis India, Gurugram, 2017
2. C.K. Thakkar & M. C. Thakkar: *Civil Procedure with Limitation Act, 1963*, Eastern Book Company, Lucknow, (2016)
3. N. Maheshwara Swamy: *Law Relating to Civil Procedure and Limitation*, Asia Law House, Hyderabad, 2016
4. Sukumar Ray: *Textbook on the Code of Civil Procedure*, Universal Law Publishing Co Pvt. Ltd., New Delhi, 2015
5. Avtar Singh: Code of Civil Procedure, Central Law Publications, Allahabad, 2015
6. Shailender Malik: *The Code of Civil Procedure (CPC*) Universal Law Publishing Co Pvt. Ltd., New Delhi, 2012
7. Prof. M. P. Jain: *The Code of Civil Procedure (CPC),* LexisNexis India, Gurugram, 2011

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CRIMINOLOGY, PENOLOGY AND VICTIMOLOGY							Course Code: SL LAW 03 06 27 C 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	This course aims to make students understand the emerging and existing principles of Criminology, Penology and Victimology. The objective of this course is to encourage students to expand and use their imaginations to understand the causes and consequences of criminality and the infringement of social norms and values. Beginning with the nature and scope of Criminology, Penology and Victimology, this course will explore why and what types of crimes are increasing in the society, what are the factors responsible, how crimes prevention can be done, how the rehabilitation of criminals is possible, how restorative justice can be provided to victims. This course is also designed to recognize and explain macro-social inequities in crime and criminal justice processes by race, social class, gender, region and age.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand what criminology is and what it should be by applying perspectives of justice, rather than limiting the focus to acts, which are criminalized. **2.** Understand what penology is and what it should be by applying perspectives of justice, rather than limiting the focus to acts, which are penalized. **3.** Understand how and why the new concept of criminology such as green criminology, media criminology, convict criminology, labeling criminology, and feminist criminology has become an important and fast-expanding field in critical criminology. **4.** Understand how the media frame crime, criminality and the notion of victimization in various contexts. **5.** Understand the concept of vulnerability, victimization status of different vulnerable groups, their causes, impact and the initiatives taken by the government to resolve the issues. **6.** Understand the concept of Restorative Justice and the status of the victim in the Criminal Justice Process emphasizing the victim's position during the investigation and the trial process.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.

I	Concept of Crime, Concept of Criminology, Its nature, extent and scope in global and Indian context, Various theories of Crime Causation, Pre-classical, Classical and Neo-classical, Sociological, Economic, Tentative and Multiple factors theories of crime causation	15
II	Major Crimes: Organised crimes, White collar crimes, Socio-economic offenses, Sexual offenses, Traffic in human beings, Alcoholism and Drug Addiction, Cybercrimes, Terrorism, Juvenile Delinquency: The Juvenile Justice, (Care and Protection of Children) Act, 2015, Recidivism and Cannibalism	15
III	Concept of Penology, Prevention and control of crimes, Various Theories of Punishment, Police system in Indian and global context, Administrative Reports of Reforms and Concerned commission, Modes and Forms of Punishments, Sentencing of offenders, Capital Punishment and Its relevance, Prison System and Reforms, Open Prison	15
IV	Concept of Bail and provisions for bail, Probation and Parole, Concept and Scope of Victimology, Concept of Compensation and Rehabilitation of Victims of Crimes, Statutory Provisions and Judicial Decisions, Compensation and Rehabilitation of Victims in India	15

LEADING CASES

1. Sheela Barse v. Union of India, AIR 1986 SC 1773
2. Bandhua Mukti Morcha v. Union of India, AIR (1984) SC 802
3. Mithu Singh v. State of Punjab, AIR 1983 SC 73
4. Bachan Singh v. State of Punjab, AIR 1980 SC 898
5. Francis Coralie Mullin v. Union Territory Delhi, AIR 1981 SC 746
6. Sunil Batra v. Delhi Administration, AIR 1978 SC 1675

SUGGESTED READINGS

1. Frank E. Hagan: *Introduction to Criminology*, Sage Publications Inc., Thousand Oaks, USA, 2019
2. Larry J. Siegal: *Criminology*, Wordsworth Thomson Learning, New Delhi, 2019
3. Frank J. Schrnalleger: *Criminology Today*: An Integrative Introduction, Prentice-Hall, New Delhi, 2018
4. N. V. Paranjape: Criminology and Penology with Victimology, Central Law Publications, Allahabad, 2017
5. Abuja Ram: *Criminology*, Rawat Publication, New Delhi, 2015
6. J. P. S. Sirohi: *Criminology and Penology*, Allahabad Law Agency, Allahabad, 2014
7. Deepa Singh and K P Singh: *Criminology, Penology and Victimology*, The Bright Law House, New Delhi, 2013
8. Katherine S Williams: *Criminology*, Oxford University Press, New York, 2013
9. M. S. Chauhan: *Criminology, Criminal Administration and Victimology*, Central Law Agency, Allahabad, 2012
10. S. M. A. Qadri: *Criminology, Penology and Victimology*, Eastern Book Company, Lucknow, 2009
11. Rajendra Kumar Sharma: *Criminology and Penology*, Atlantic Publishers & Dist., New Delhi, 1998
12. E. H. Sutherland: *Principles of Criminology*, Times of India Press, Bombay, 1969

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: COMPANY LAW				Course Code: SL LAW 03 06 28 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	Corporate laws are the most relevant legislation in the era of Globalization. The course content focuses right from incorporation, working and winding or liquidation of the business entity i.e. Company. The course also discusses the relevance of corporate personality, different kinds of companies and their registration requirement. The course also discusses in detail the modes of capital for the companies and their liabilities. The company is a legal entity that is run by the Board of Directors so the course discusses the kinds, appointments, and qualifications of directors along with the powers, roles and responsibilities of the board of directors. The shareholders are the ultimate owners of the company so it examines various kinds of meetings and procedures to hold the same. It also considers the circumstances where the company can wound up under the Companies Act, 2013.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Acquaint with different business entities. **2.** Have complete knowledge of formation & working of companies. **3.** Understand different kinds of capital and understand the raising of the same. **4.** Comprehend the protection of minority shareholders. **5.** Understand the winding up under the Companies, Act, 2013.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**The Company Act, 2013**: History of Company Law in India and England, Nature Definition and characteristic of Company, Lifting of the Corporate Veil, Kinds of Companies, Formation and incorporation of a Company, Promoter-status, position, function and remuneration	15
II	Memorandum of association, its alteration, Doctrine of Ultravires, Article of Association, binding force, alteration, its relation with a memorandum of association, Doctrine of Constructive notice, Doctrine of Indoor management and its exceptions, Meeting: meaning, kinds, resolutions, quorum and voting	15

III	Directors: position, appointment, qualification, vacation of office, Removal, Resignation, Powers of office, Managing Director and other managerial personnel, Secretary, definition, qualification, position, appointment duties and qualities, Share: Its kind, different aspects, Debentures: its kind, different aspects	15
IV	Majority rules and minority protection, Prevention of Oppression and mismanagement, winding up: types, grounds, who can apply, procedure, Powers of Liquidator, consequences of winding up order, Members and Creditors winding up, Liability of past members-payment of liabilities, Preferential payment, Winding up of unregistered company, Receiver, power, appointment, duties and liabilities	15

LEADING CASES

1. Kedia Industries Ltd. v. Star Chemical Ltd., (1999) 98 Co. Cases 233
2. Bennett Coleman & Com. v. Union of India, AIR 1973 SC 106
3. Shanti Parsad Jain v. Kalinga Tubes, AIR 1965 SC 1535
4. Ashbury Railway Carriage and Iron Co. Ltd. v. Riche, (1875) 44 LJ-185
5. Foss v. Harbottle (1843) 2 Hare 461

SUGGESTED READINGS

1. Avtar Singh: *Company Law*, Eastern Book Company, Lucknow, 2019
2. J. P. Sharma: *Corporate Laws,* Ane Books Pvt. Ltd., New Delhi, 2019
3. Munish Bhandari: *Professional Approach to Corporate Laws and Allied Laws*, Bestword publication Pvt. Ltd, Delhi, 2019
4. Charles Wild & Dr Stuart Weinstein: *Smith and Keenan's Company Law*, Pearson, London, 2016
5. T. Ramappa: *Competition Law in India-Policy, Issues and Development*, Oxford University Press, New Delhi, 2014
6. David Kershaw: *Company Law in Context*, Oxford University Press, UK, 2012
7. J.C. Verma: *Corporate Mergers, Amalgamations & Takeovers*, Bharat Law House, New Delhi, 2002
8. L. C. B. Gower: *Principles of Modern Company Law*, R. Cambray & Co. Pvt. Ltd., Kolkata, 1997

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: INTERPRETATION OF STATUTES				Course Code: SL LAW 03 04 29 C 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	A massive corpus of principles to understand statutes, evolved by the Common Law Courts basically over several decades, Interpretation of Statutes has assumed a very important place. No study of law would be complete without appreciating this branch, and hence, this Paper certainly is a must for students. It is devised to appeal to the inquisitive mind of the students.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Introduce himself to the parts of a statute and the meaning of the term interpretation of statutes. **2.** Acquaint with the fundamental rules of interpretation of statutes. **3.** Acquaint with the role of different parts of a statute in interpreting the same. **4.** Acquaint with the materials which can be used to interpret a statute and their respective roles. **5.** Know about the presumptions applicable during the interpretation of statutes and their applicability. **6.** Know about the provisions dealing with exclusion of the jurisdiction of courts. **7.** Understand the general and special statutes and provisions and the interpretation of their respective provisions.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Interpretation: Meaning, Object, Purpose and Scope, Basic Principles of Interpretation, Difference between Interpretation and Construction, Rule of Construction-Literal, Golden and Mischief Rules, Limitations of the Court	15
II	Statute: Meaning and Classification, Internal Aids to Construction, External Aid to Construction, Interpretation of Mandatory and Directory Provisions, Interpretation of Penal and Taxing Statutes, Interpretation of Indian Constitution	15
III	Rule of Ejusdem Generis, Rule of Naschitu-a-sociis, Rule of Pari Materia, Rule of Stare Decisis, Contemporanea Expositio et optima Et Fortissima in Lege, What is the Legislation? Who Legislate? Restriction on the Legislature, Legislation is a Science	15

IV	The Method of Law Reforms and Institutional Arrangements for the Parliamentary Legislation, Legislative Powers of President and Governor, Remedial or Beneficial Construction of Statutes fetching Jurisdiction of the Courts	15

LEADING CASES

1. Center for PIL v. Union of India (2012) 3 SCC 1 (2G Spectrum Case)
2. Canara Bank v. V. K. Awasthy, AIR 2005 SC 2090
3. Express Newspapers (P) Ltd. v. Union of India, AIR 1986 SC 827
4. Atlas Cycle Industries Ltd. v. State of Haryana, AIR 1979 SC 1149
5. K. Kraipak v. Union of India, AIR 1970 SC 150
6. Ujjaim Bai v. State of Uttar Pradesh, AIR 1962 SC 1621
7. Daryo v. State of Uttar Pradesh, AIR 1961 SC 1457

SUGGESTED READINGS

1. P. S. Narayan: *Statutory Interpretation*, Asia Law House, Asia Law House, Hyderabad, 2019
2. M. P. Tandon: *Interpretation of Statutes & Legislation*, Allahabad Law Agency, Faridabad, 2019
3. Bawa & Roy: *Interpretation of Statutes*, Allahabad Law Agency, Faridabad, 2018
4. Amita Dhanda: *N S Bindra's Interpretation of Statutes*, LexisNexis India, Gurugram, 2016
5. N. S. Bindra: *Interpretation of Statutes*, LexisNexis India, Gurugram, 2016,
6. Justice G P Singh (Revised by Justice A. K. Patnaik): *Principles of Statutory Interpretation (Also including the General Clauses Act, 1897)*, LexisNexis India, Gurugram, 2016
7. Avtar Singh & Harpreet Kaur: *Introduction to Interpretation of Statutes*, LexisNexis India, Gurugram, 2014
8. P. St. J. Langan: *Maxwell on the Interpretation of Statutes*, LexisNexis India, Gurugram, 1969

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: CLINICAL COURSE- IV, PROFESSIONAL ETHICS AND PROFESSIONAL ACCOUNTABILITY							Course Code: SL LAW 03 06 30 C 1245
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 5**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**1**	**2**	**4**	**5**	**Total Hrs.: 75**
Total Evaluation Marks: 100			***(Practical Examination)***				

Course Objectives	Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well-defined norms. Advocacy is a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically. This Paper aims at appreciating the avowed duties of advocates as well as the Bar-Bench relation. Designed to be taught with the assistance of practitioners, it will impart to the students their role and responsibilities as professionals.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Understand the historical evolution of the legal profession as well as the various codes of conduct and ethical norms for the advocates. **2.** Understand the contempt law in India and the classifications of contempt, the punishments and remedies, etc. **3.** Acquaint with general principles of accounting and about legal services authorities in India, conciliation and the settlement.

COURSE SYLLABUS

NOTE:

1. The whole paper will be practical in nature. The students will be taught about the substantive provisions and procedural aspects of Professional Ethics and Professional Accountability mentioned in Units- I, II, III & IV.
2. The students have to prepare a proper practical file on the contents of each unit and submit to the concerned subject teacher.
3. The marks will be awarded by a panel of examiners on the basis of presentation of the contents in the practical file and performance of Viva-Voce.
4. The panel of examiners for Evaluation of practical file and Conduct of Viva-Voce examination, shall consist of the Head of the Department, One External Expert (to be appointed by Dean of the School/Head of the Department), One Internal Expert preferably the teacher, who has taught the subject (to be appointed by Head of the Department), at the place, date and time, fixed by the Head of the Department. The Quorum will consist of two, out of which one external expert must be present.

Unit No.	Contents	Contact Hrs.
I	Nature of Legal Profession & Meaning of Professional Ethics, Historical Development of Legal Profession, Role of Lawyers in National Movement of Independence	15

II	Advocate Act, 1961: Chapter V & VI (Section 34, 35-45), Bar Council of India Rules (Part VI & VII) Duties, Rights, Privileges of Advocates, 50 Selected Opinions of the Disciplinary Committees of Bar Councils	20
III	Contempt of Courts Act, 1971: Constitutional Provisions regarding Power of Supreme Court, High Courts for their contempt, Bar Bench Relations	20
IV	Legal Services Authorities Act, 1987: Preliminary, NLSA, SLSA, DLSA, Sub- Divisional Legal Services Committee, Entitlement to legal services, Lok Adalat, Concept of Permanent Lok Adalat, Pre-Litigation, Conciliation and Settlement	20

LEADING CASES

1. Zahira Habidullah Sheikh v. State of Gujrat, AIR 2006 SC 1367
2. Rameshwar Prasad v. Union of India, AIR 2006 SC 980
3. Nirmaljit Kaur v. State of Punjab, AIR 2006 SC 605
4. Gurpal Singh v. State of Punjab, AIR 2005 SC 2785
5. S.R. Ramraj v. Special Court Bombay, AIR 2003 SC 3039
6. Supreme Court Bar Association v. Union of India, AIR 1998 SC 1895
7. Dr. D.C. Saxena v. Hon'ble Chief Justice of India, AIR 1996 SC 2481
8. M.B. Sanghi Adv. v. H.C. of Punjab & Haryana, AIR 1991 SC 1834
9. Re Ajay Kumar Pandey Advocate, AIR 1998 SC 3299
10. Dr. I. P. Mishra v. State of U.P., AIR 1998 SC 3337
11. Kashi Nath Kher and other v. Dinesh Kumar Bhagat and others, AIR 1998 SC 374
12. P.D. Gupta v. Ram Murti, AIR 1998 SC 283
13. Sadhvi Ritumbhara v. Digvijay Singh & others, (1997) 4 SCJ 64
14. Delhi Judicial Service Association, Tis Hazari Court Delhi v. State of Gujarat and others, AIR 1991 SC 2176
15. Amrit Nahata v. Union of India, AIR 1986 SC 791
16. State of Bihar v. Kripalu Shankar, AIR 1987 SC 1554

SUGGESTED READINGS

1. Dr. S.P. Gupta: *Professional Ethics, Accountancy for Lawyers and Bench-Bar Relations*, Central Law Agency, Lucknow, 2018
2. Dr. Kailash Rai: Legal Ethics, Accountability for Lawyers and Bench-Bar Relations, Central Law Publications, Allahabad, 2017
3. Yashomati Ghosh: *Legal Ethics and the Profession of Law*, Lexis Nexis, Gurugram, 2014
4. P. Ramantha Iyer: *Legal & Professional Ethics*, Lexis Nexis, Gurugram, 2010
5. Bare Act: *The Legal Services Authorities Act, 1987*
6. Bare Act: *The Criminal Procedure Code, 1973*
7. Bare Act: *The contempt of Courts Act, 1971*
8. Bare Act: *The Advocates Act, 1961*

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: SERVICE LAWS							Course Code: SL LAW 03 06 11 E 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	Positioning the right personnel in the right place is significant, in the administration of the government, as they act as a conduit between the State and citizens. This will assure good governance and make the people feel good about the government. The paper is aspiring to highlight the scope and limitations of the services under the State. This paper shall be studied by appreciating relevant civil service rules and the notification issued by the government from time to time.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Appraise the constitutional validity, safeguards and recognition of the rights of the civil servants and the scope and ambit of the doctrine of pleasure and exceptions to it. **2.** Understand the concept of service and its various types along with the importance and efficacy of services in recent times. **3.** Appraise the constitutional validity, safeguards and recognition of the rights of the civil servants and the scope and ambit of the doctrine of pleasure and its exceptions to it. **4.** Understand the concept of service and its various types along with the importance and efficacy of services in recent times. **5.** Appraise the constitutional validity, safeguards and recognition of the rights of the civil servants and the scope and ambit of the doctrine of pleasure and exceptions to it. **6.** Understand the concept of service and its various types along with the importance and efficacy of services in recent times.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Constitutional Right of equality (Articles 14 to 16) concerning service matters (including reservation in the services), Principles of equal pay for equal work, Services under the Union and the States (Articles 309-311) including the applicability of Article- 311 to various categories of non-permanent employee and Article 320 status and rights of Adhoc employees and daily wagers and their regularization	15
II	Article 323-A of the Constitution, Administrative Tribunals, their Constitution, powers, jurisdiction and procedure under the Administrative Tribunals Act, 1985 (along with the	15

	provisions of The Tribunals (Amendment) Act, 2006, Compulsory retirement Probation, Compassionate Appointment	
III	Suspension and subsistence allowance (with special reference to CCS (CCA) Rules, 1965, Principles for determination of seniority including, Seniority based on the date of confirmation Seniority based on quota rota rule, Annual Confidential Report (ACR)/ Annual Performance Appraisal Report (APAR)	15
IV	Deputation, Major and Minor Penalties, Conduct and procedure of disciplinary departmental enquires (including charge sheet, inspection and supply of copies of documents Production of evidence, Inquiry report, hearing if any on the question of the penalty and final competent authority (with special reference to CCS (CCA) Rules, 1965)	15

SUGGESTED READINGS

1. Muthu Swami*: Disciplinary proceedings, 2020*
2. Narinder Kumar: *Law relating to Government Services and Management of Discipline Proceedings*, Allahabad Law Agency, 2018
3. G.B. Singh: *Law of Suspension, Penalties and Departmental Enquiries, 2018*
4. A.S. Ramchandaran Rao: *Law relating to Departmental Enquiries, Universal Law Publishing co.,* 2011
5. *A.S. Bhatnagar: Guide to Departmental Problems Enquiries, Punishment and appeal,* Asia Law House, Hyderabad, 2010

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAW OF INSURANCE						Course Code: SL LAW 03 06 12 E 4004	
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	This course is designed to acquaint the students with the principles & practices of insurance law in India. It encompasses all the statutes relating to insurance & is updated with the latest legislative amendments – Insurance Amendment Act, 2015. The different kinds of insurance have been examined in detail in distinct modules. The course largely focuses on the fundamental principles which govern the law of insurance thus enabling the students to have a better understanding of the subject.						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Explain the basic principles of insurance law. **2.** Demonstrate knowledge of insurance contracts and provisions, and law relating to life, health, fire, marine and other types of insurance. **3.** Apply the operation of insurance law in a practical context. **4.** Apprise the students about the legal provisions of the Motor Vehicles Insurance and Public Liability Insurance Act.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	General Principles of Law of Insurance, Nature and History of Insurance, Definition: Insurance, Insurable Interest, Premium, Risk and Insurance. Assignment of the Insurance Policy, Preparation of Policy, Conditions of Policy, Life Insurance: Definition, Nature of Life Insurance, Formation of Life Insurance Contract, General Nature of a Contract, Offer & Acceptance, Consideration, Competence of Parties, Legality of the Object, Free Consent of the Parties, Insurable Interest. Utmost Good Faith, Representation and Warranties, Performance of Insurance Contract: Preparation of Policy, Rights of Property in Life Insurance Contract	15
II	The Life Insurance Corporation of India Act, 1956 (With Latest Amendments), Object, Policy, Establishment of L.I.C, Functions of L.I.C, Persons entitled to payment, Settlement of Claim and Payment of Money, Policyholder as a consumer	15

III	The Motor Vehicles Act, 1988: (With Latest Amendments), The necessity for Insurance Against Third-Party Risk, Requirement of Policies and Limits of Liability, Validity of Policies of Insurance in Reciprocating Countries, Rights of Third Parties Against Insurance on Insolvency of the Insured, Duty to Give Information as to Insurance, Settlement between Insurers and Insured Person, Effect of Death on Certain Causes of Action, Claims Tribunal, Procedure and Powers of Claims Tribunals, Appeals, Recovery of Money from Insurer as arrears of Land Revenue	15
IV	The Public Liability Insurance Act, 1991 (With Latest Amendments), Nature, Scope and Object, Liability to Give Relief in certain cases on Principles of No-Fault (Sec. 3), Duty of Owner to Take Out Insurance Policies (Sec. 4), Verification and Publication of Accident by Collector (Sec. 5), Application for Claim for Relief (Sec. 6), Award of Relief (Sec. 7), Establishment of Environment Relief Fund (Sec. 7 A), Provision as to Other Right to Claim Compensation for Death (Sec. 8), Powers of Collector (Sec. 9 to 13), Penalty for Contravention (Sec. 14), Penalty for Failure to Comply With Direction (Sec.15), Offences by Companies and Government Departments (Sec. 16,17)	15

LEADING CASES

1. New India Assurance Co. Ltd. v. Rulia and Others, AIR 2000 SC 1082
2. Charan Lal Sahu v. Union of India, AIR 1990 SC 1480
3. Reserve Bank of India v. Peerless General Finance and Investment Co., AIR 1987 SC 1023
4. General Assurance Society Ltd. v. L.I.C., AIR 1964 SC 892

SUGGESTED READINGS

1. K. S. N. Murthy and K. V. S. Sarma: *Modern Law of Insurance in India*, LexisNexis India, Gurugram, 2019
2. A. B. Srivastava and K. Elumalai: *Seth's Banking Law*, Law Publisher's India (P) Limited, Allahabad, 2014
3. Sachin Rastogi: *Insurance Law and Principles*, LexisNexis, Gurugram, 2014
4. M. L. Tannan (Revised by C. R. Datta & S. K. Kataria): *Banking Law and Practice*, LexisNexis India, Gurugram, 2012
5. R. K. Gupta: Banking: *Law and Practice*, Modern Law Publications, Allahabad, 2011
6. Prof. Clifford Gomez: *Banking and Finance-Theory, Law and Practice*, PHI Learning Private Limited, New Delhi, 2011
7. L. C. Goyle: Law of Banking and Bankers, Eastern Law House, New Delhi, 2010
8. Lord Chorley and P. E. Smart: Leading Case in the Law of Banking, Bharat Law House, New Delhi, 1990
9. Herbert P. Sheldon: Practice and Law of Banking, Macdonald & Evans Ltd., United Kingdom, 1972

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: LAW RELATING TO BANKRUPTCY AND INSOLVENCY							Course Code: SL LAW 03 06 13 E 4004
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE: 30** Marks **TEE: 70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	The main objective of the course is to impart to the students the conceptual foundations of corporate insolvency law. Secondly, to know the types of winding up and the role played by official liquidators in the winding up of a company. The Course also provides an outlook on the insolvency issues of Multi-National Corporations.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Have understanding of the concepts involved in Insolvency and Corporate Insolvency Law. **2.** Appreciate different modes of winding up as contemplated under the Companies Act 2013. **3.** Understand the objectives features and reasons for the enactment of the Insolvency and Bankruptcy Code. **4.** Understand the corporate insolvency resolution process and liquidation under IBC. **5.** Know the provisions with respect to the appointment and powers and functions of the Official Liquidator and the rules applicable for the distribution of assets. **6.** Know the kinds of offenses committed during winding up. Students will be able to undertake research on the relevant issues in Insolvency Law.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer-type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	**Concept of Insolvency and Bankruptcy** The concept of insolvency; Inability to pay the debt, Comparison between English and Indian Insolvency and Bankruptcy law, Acts of Insolvency: Transfer of property to a third person for benefit of creditors, Transfer with intent to defeat the creditors, fraudulent preference in the transfer of property	15
II	**Insolvency Petition and Procedure of Court** Definition, Jurisdiction and power of Court, Insolvency petition by creditors, Insolvency petitions by the debtor, Contents of the petition, Admissions of petitions, Procedures of the Court on petitions, Adjudication as Insolvent, Imprisonment in the execution of a decree of a Court, Appointment of interim receiver, Interim proceedings against the debtor	15

III	**Duties of Debtor and Effect of Insolvency** Duties of debtors and Interim proceedings against the debtor, Offences by debtors, Release of the debtor, Discharge of debtor, Indigent persons, Suits by indigent persons, Procedure at the hearing, Dismissal of petitions filed by a creditor, Effect of insolvency on the antecedent transaction, rights of creditors under execution, Duties of Court executing decree on the property taken in execution, Avoidance of voluntary transfer	15
IV	**Adjudication and Consequences** Order of Adjudication, Effect and publication of the order, Proceedings, Consequent on the order of Adjudication, Protection order from arrest or detention, Burden of Creditors to prove the debt, Annulment of Adjudication, the power to annul, failure to apply for discharge, Post adjudicatory scheme for the satisfaction of the debt, Discharge of debtor, Distribution of property, the priority of debts, offenses by debtors, Appeal	15

LEADING CASES

1. Mansa Ram v. Commissioner of Income Tax, 1991 ITR 192 All
2. Raghunath K. Kharkar v. Ganesh and others, AIR 1964 SC 234
3. Mrs. N. Lakshmi v. The Official Assignee of Madras, AIR 1950 Madras HC 410
4. Bankey Lal and Others v. Durga Prasad and Others, AIR 1931 Allahabad HC 512

SUGGESTED READINGS

1. V.S. Datey: *Taxmann's Guide to Insolvency and Bankruptcy Code & Law Relating to SARFAESI/Debt Recovery & Winding up*, Taxman, New Delhi, 2020
2. Anjani Kant: *Lectures of Banking Law*, Central Law Publications, Allahabad, 2016
3. R.N. Chaudhary: *Banking Law*, Central Law Publications, Allahabad, 2016)
4. Avtar Singh: Law of Insolvency, Eastern Book Company, Lucknow, 2014
5. S.K. Maheshwari S.N. Maheshwari: Banking Law & Practice, Kalyani Publishers, New Delhi, 2014
6. S.K. Aiyar: Law of Insolvency Commentary on the Provincial Insolvency Act, 1920 Including Model Forms in Insolvency Proceedings, Universal Law Publishing - An imprint of LexisNexis, Gurugram, 2013
7. Sir. Dinshaw Fardunji Mulla: *Law of Insolvency in India*, Lexis Nexis, Gurugram, 2013
8. M.L. Tannan: Banking Law & Practice in India, Lexis Nexis, Gurugram, 2010

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: EQUITY, TRUST AND FIDUCIARY RELATIONS				Course Code: SL LAW 03 06 14 E 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				

Course Objectives	This course is designed with the objectives; to provide the learner with knowledge of the historical development of the law of equity and trusts; To develop within the learner an understanding of equitable doctrines and remedies; To provide the learner with an understanding of the concept of the trust, including its creation and the roles of trustees, and an understanding of the main kinds of trust; To provide the learner with an understanding of the practical operation of the law of equity and trusts.
Course Outcomes	After the completion of this course, the student would be able to: **1.** Demonstrate a clear understanding of the law of equity and trusts and how it applies to the legal system as a whole. **2.** Identify the different types of equitable remedies and trusts and when and in what context they can be relevant. **3.** Critically review the law of equity and trusts systematically. **4.** Critically analyze the theoretical and philosophical underpinnings of the law relating to equity and trusts. **5.** Demonstrate the capacity to research and present on issues of the law of equity and trusts. **6.** Critique the societal impact of the law of equity and trusts.

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Concept of Equity: its nature, history and development in Roman Law and English Common Law, Equity Court and Common Law Courts in England, Equitable Rights, Remedies and Procedure, Classification of Jurisdictions of Equity Courts, Unification of Equity and Common Law Courts and the Provisions of the Judicature Acts of 1873-75	15
II	Major maxims or principles of equity and their application: Equity will not suffer a wrong to be without a remedy, Equity follows the Law, He who seeks equity must do equity, He who comes into equity must come with clean hands, Delay defeats equity, Equality is equity, Equity looks to the intent rather than the form, Equity looks on that as done which ought to be done, Equity inputs and intention to fulfill an obligation, Where there is equal equity, the	15

	law shall prevail, Where equities are equal, the first in time shall prevail, Equity acts in personam	
III	The Indian Trusts Act, 1882 (With Latest Amendments): Historical Background, Classification or kinds of Trusts, Creation of Trusts, Trustees-their duties and liabilities; Trustees-their rights and powers, Trustees and their disabilities under the Indian Trusts Act	15
IV	Beneficiaries-their rights and liabilities, Appointment and Discharge of Trustees, Extinction of Trust, Obligations in the nature of Trusts and Fiduciary relations, Concept of Equity and its relevance and Application in the Indian Legal System	15

LEADING CASES

1. Official Trustee, W.B. & Others v. Sachindra Nath Chatterjee & Others, (1969) 3 SCR-92
2. Surajmal Singh v. State of Rajasthan, 1966 RLW566
3. Tilakayat Shri govindlalji v. state of Rajasthan, AIR 1963 SC 1630
4. Allahabad Bank Ltd. v. The Commissioner of Income Tax, W.B., AIR 1953 SC 476
5. Hindu Religious Endowments, Madras v. Shri Lakshmindar Thiraths Swamiar of Shri Shirur Mutt, 1954 ASC 282
6. Durgah Committee, Ajmer v. Syed Hyussain Ali, AI 1861 SC 1403

SUGGESTED READINGS

1. S.R. Myneni: *Equity, Trusts and Fiduciary Relations,* Asia Law House, Hyderabad, 2020
2. G.P. Singh: *Principles of Equity*, Central Law Publications, Allahabad, 2019
3. B.M. Gandhi: *Equity, Trusts and Specific Relief*, Eastern Book Company, Lucknow, 2018
4. S.C. Tripathi: *Equity, Mortgages, Trusts and Fiduciary Relations,* Central Law Publications, Allahabad, 2017
5. M.P. Tendon: *Principles of Equity and Trusts*, Allahabad Law Agency, Faridabad, 2014
6. Aquil Ahmad: *Equity, Trusts and Specific Relief*, Central Law Publications, Allahabad, 1965

Note: Students are advised to study the latest edition of the recommended books and case laws.

Course Name: DISASTER MANAGEMENT IN INDIA				Course Code: SL LAW 03 06 15 E 4004			
Session	**Programme:**	**Semester:**	**L**	**T**	**P**	**Credit**	**Contact Hrs. per Week: 4**
2022-23 onwards	**LL.B. (3 Year) Professional Course**	**VI**	**4**	**0**	**0**	**4**	**Total Hrs.: 60**
Total Evaluation Marks: 100 **CIE:** **30** Marks **TEE:** **70** Marks			**Examination Duration:** 3 Hrs.				
Course Objectives	The course is intended to provide a general insight into the dimensions of disasters caused by nature beyond the human control as well as the disasters and environmental hazards induced by human developmental activities						
Course Outcomes	After the completion of this course, the student would be able to: **1.** Develop an understanding of disasters and their relationships with development. **2.** Gain an understanding of approaches to Disaster Risk Reduction (DRR) and the relationship between vulnerability, disasters, disaster prevention and risk reduction. **3.** Understand Medical and Psycho-Social Response to Disasters. **4.** Know required help in preventing and controlling Public Health consequences of Disasters. **5.** Enhance awareness of Disaster Risk Management institutional processes in India. **6.** Build skills to respond to disasters.						

COURSE SYLLABUS

NOTE:

1. The question paper shall consist of Five Questions in all. The first question shall contain short answer-type questions from all the units, carrying 3.5 marks each and the student shall be required to attempt any four questions out of eight.
2. Question No. 2, 3, 4 and 5, shall be long-answer type questions from all the units and students shall be required to attempt any two out of the given three choices under each question from the individual unit. Each long answer type question shall carry 14 Marks. The Examiner will be free to set the questions either in problem forms or based on case law.

Unit No.	Contents	Contact Hrs.
I	Definition and Concept of Hazard, Risk, Vulnerability, and Disaster, Disaster Management: Meaning, Concepts, Approaches, Principles, Objectives and Scope, Essentials of Disaster Management; Institutional and Individual responsibilities during risk reduction, preparedness, response and recovery phases	15
II	Types and Classifications of Disasters, Natural Disasters: Earthquakes, Floods, Cyclones and Cloud burst, Avalanches, Forest Fire and Tsunami, Human-Induced Disasters: Nuclear, Chemical and Industrial Disasters Global warming, Biological Disasters, Epidemics	15
III	Disaster Management in India, before and After The Disaster Management Act, 2005, Salient Features of The Disaster Management Act 2005 (With Latest Amendments)	15
IV	National Level Nodal Agencies, National Disaster Management Authority, State Authorities, District Authorities, Local-level authorities Role of NGOs, Corporate Sector, Army and Police, and Educational Institutions in Disaster Management	15

SUGGESTED READINGS

1. S. Arulsamy & J.JEYADEVI, *Disaster Management*, Neelkamal, 2016
2. Coppola, D.P.: *Introduction to International Disaster Management*, 3rd Edition. UK, Butterworth-Heinemann/Elsevier, 2015
3. Mrinalini Pandey, *Disaster Management*, Wiley, 2014
4. Gosh, G.K.: *Disaster Management*, A.P.H. Publishing Corporation, New Delhi, 2012
5. Shastri, K.N: *Disaster Management in India*, Pinnacle Technology, 2012
6. Ahmad, A.: *Disaster Management: Through the New Millennium*, Anmol Publications, New Delhi, 2010
7. R. K. Singh &, Kumari Swarnim, *Nuclear Weapons, Global Warming and Disaster Management*, Rajat Publications, 2010
8. Hyndman, D. and D. Hyndman: *Natural Hazards and Disasters* USA, Belmont: Brooks/Cole, 2009
9. Chakraborty, S.C.: *Natural Hazards and Disaster Management*, Pragatishil Prokashak, Kolkata, 2007
10. Goel, S.L.: *Encyclopaedia of Disaster Management*, Deep and Deep Publications, New Delhi, 2006
11. Kapur, A.: *Disasters in India: Studies of Grim Reality*, Rawat Publications, Jaipur, 2005
12. B.K. Khanna: *Disasters: All You Wanted to Know About*, New India Publishing Agency, New Delhi, 2005
13. Bryant Edwards: *Natural Hazards*, Cambridge University Press, U.K, 2005
14. Dr. Satendra: *Disaster Management in the Hills*, Concept Publishing House, New Delhi, 2003
15. Gupta, H.K.: *Disaster Management*, Universities Press (India) Private Limited, Hyderabad, 2003
16. Harsh K. Gupta: *Disaster management*, Universities Press, 2003
17. Paraswamam, S. and Umikrishnan, P.V.: *India Disaster Report*, Oxford University Press, New Delhi, 2000
18. Singh, R.B: *Disaster Management*, Rawat Publications, Jaipur, 2000

Note: Students are advised to study the latest edition of the recommended books and case laws.