CENTRAL UNIVERSITY OF HARYANA

Term End Examinations January 2023

Programme:	**M. Lib. I. Sc**	**Session: 2022-23**
Semester:	**III**	**Max. Time: 3 Hours**
Course Title:	**Informetrics and Scientometrics**	**Max. Marks: 70**
Course Code:	**SIAS LIS 03 03 C 1144**	

Instructions:

1. Question no. 1 has seven parts and students need to answer any four. Each part carries three and half Marks.
2. Question no. 2 to 5 have three parts and student need to answer any two parts of each question. Each part carries seven marks.

Q.No.1:

a) Journal Impact factor
b) Citation analysis
c) Bibliographical coupling
d) h index
e) Google Scholar
f) Limitations of bibliometric studies
g) Co-citation

Q.No.2:

a) What are the Laws of Bibliometrics and discuss about them and their impact?
b) Define the term Informetrics. Discuss in detail the evolution of the discipline.
c) What is Bradford's law? Explain how Bradford's equation is important for bibliometric study.

Q.No.3:

a) Discuss the contributions of Garfield in the field of bibliometric.
b) What is bibliometric mapping? Discuss about the criteria/ indicators for bibliographical mapping.
c) What is Co-authorship/collaborative Authorship? Discuss the reasons for collaboration and what can be measured with data on collaboration?

Q.No.4:

a) What is citation, and citation index? Describe in detail about any one citation index.

b) Define i10-index. Do you think i10-index is a complete indicator? Justify your answer.

c) What is Bibliometrics? discuss about the institutional productivity and analysis of impact of research.

Q.No.5:

a) Discuss its importance of various bibliometric tools. Dwell on different types of maps drawn from these tools.

b) What is webometrics? Discuss about its growing importance and how webometric studies are conducted.

c) Discuss about the recent developments in bibliometrics.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations January 2023

Programme: Master of Library and Information Science **Session: 2022-23**

Semester: Third **Max. Time: 3 Hours**

Course Title: Digital Libraries, Content Management and Learning Management Systems (Theory) **Max. Marks: 70**

Course Code: SIAS LIS 03 01 C3104

Instructions:

1. Question no. 1 has seven parts and students are required to answer any four. Each part carries three and half Marks.

2. Question no. 2 to 5 have three parts and students are required to answer any two parts of each question. Each part carries seven marks.

Q 1. Write Short notes on following. (4X3.5=14)

a) MODS
b) LMS
c) Unicode
d) Types of Digital Resources
e) OAI-ORE
f) International Digital library initiatives
g) CMS Tools

Q 2. (2X7=14)

a) Define digital Library and discuss its scope it details.
b) Elaborate the Architecture of Digital Libraries.
c) Highlight the digital libraries initiatives in India.

Q3. (2X7=14)

a) What do you understand by CMS? Describe its scope.
b) How the selection criteria help to select the appropriate CMS for the library? Discuss the criterion in detail.
c) Explain the Theoretical Framework of CMS.

Q 4. (2X7=14)

a) How will you define MOOCs? Discuss its features and functionalities.
b) Discuss salient features of LMS. Explain the roles and responsibilities of LMS stakeholders.
c) Describe in detail the LMS tools suitable for higher education.

Q 5. (2X7=14)

a) Write briefly about the Character Encoding Standards.
b) Why is there a need of Intellectual Property Rights (IPR)? Justify.
c) Define metadata and explain the elements of the Dublin Core Metadata Standards.

CENTRAL UNIVERSITY OF HARYANA

Semester Examinations January 2023

Programme: M. Lib. I. Sc **Session: 2022-23**

Semester: III **Max. Time: 3 Hours**

Course Title: Advances in ICT and Libraries

Max. Marks: 70

Course Code: SIAS LIS 03 04 C 2124

Instructions:

1. Question no. 1 has seven parts and students need to answer any four. Each part carries three and half Marks.

2. Question no. 2 to 5 have three parts and student need to answer any two parts of each question. Each part carries seven marks.

Q 1. (4X3.5=14)

a) Name any three AI based library software applications.
b) What is Machine Learning?
c) What is SQL?
d) What is Dataverse?
e) What us REST/API? How it works?
f) What is Figshare?
g) What is Ontology?

Q 2. (2X7=14)

a) What is Artificial Intelligence? Discuss in brief of how AI and ML work.
b) Discuss the areas where AI can be deployed to provide better Library Services.
c) Discuss tools and Services with Examples of AI Application in Libraries.

Q3. (2X7=14)

a) What do you understand by Library Carpentry? Discuss the need for Managing the Data in Libraries.
b) Discuss any tools or services related to the Data Carpentry.
c) Discuss the features of MARCEdit software.

Q 4. (2X7=14)

a) What do you understand by Research Data? Discuss forms of Research Data with examples.
b) What do you mean by Research Data Management (RDM)? Discuss in brief about steps/stages of RDM.
c) Discuss the key features of any of the RDM tools.

Q 5. (2X7=14)

a) What is Geographical Information System (GIS)? Explain Geographical Data in Libraries.
b) How will you store, manipulate and analyze GIS data? Elucidate.
c) Discuss the role of GIS in LIS education in India.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations January 2023

Programme: M. Lib. I. Sc — **Session: 2022-23**

Semester: III — **Max. Time: 3 Hours**

Course Title: Advances in ICT and Libraries — **Max. Marks: 70**

Course Code: SIAS LIS 03 04 C 2124

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Term End Examinations January 2023

Programme: GEC (M.Lib.Sc.) **Session: 2022-23**

Semester: Third **Max. Time: 3 Hours**

Course Title: Social Science: Information Sources, Systems and Services **Max. Marks: 70**

Course Code: SIAS LIS 03 02 GEC 2124

Instructions:

1. Question no. 1 has seven parts and students are required to answer any four. Each part carries three and half Marks.

2. Question no. 2 to 5 have three parts and student are required to answer any two parts of each question. Each part carries seven marks.

Q 1. Write short notes on the following: (4X3.5=14)

a) EBSCOhost
b) DOAJ
c) Research trends in Sociology
d) Scope of Political Science
e) UNESCO Digital Library
f) CPR
g) Indian Council of World Affairs

Q 2. (2X7=14)

a) Define Social Sciences disciplines and describe its relationship with other disciplines.
b) Elaborate the scope, and research trends Public Administration.
c) Discuss the scope and function of History.

Q3. (2X7=14)

a) Discuss in brief the Indian council of Social Science Research.
b) Give a detailed account of Institute of Economic Growth.
c) Discuss role of UNESCO in promoting information access in social sciences.

Q 4. (2X7=14)

a) Discuss the Information system with their components.
b) Define information associations and discuss the role International Sociological Association.
c) Elaborate in brief about the Centre for Policy Research.

Q 5. (2X7=14)

a) What is aggregator? Describe the ProQuest and J-STOR.
b) Define the Key features of Shodhganga Repository to dissemination the research information.
c) What do you mean by open access? Describe the DOAR in details.

CENTRAL UNIVERSITY OF HARYANA

Term End Semester Examinations January 2023

Programme: M.Lib.Sc. **Session:** 2022-23
Semester: Third **Max. Time:** 3 Hours
Course Title: Ranganathan and Modern Techniques of Knowledge Organization
Course Code: SIAS LIS 03 02 DE 3205 **Max. Marks:** 70

Instructions:

1. Question no. 1 has seven parts and students are required to answer any four. Each part carries three and half Marks.
2. Question no. 2 to 5 have three parts and students are required to answer any two parts of each question. Each part carries seven marks.

Q 1. Answer **any four (04)** of the following: (4X3.5=14)

a) Briefly explain the principles of facet sequence.
b) Discuss in brief the five fundamental categories.
c) List some major activities of ISKO.
d) What is controlled vocabulary?
e) Explain taxonomy.
f) Explain the three types of metadata.
g) Differentiate between Web 2.0 and Web 3.0

Q 2. Answer **any two (02)** of the following: (2X7=14)

a) List the normative principles given by Ranganathan. Briefly explain the five laws of library science.
b) Define facet. Discuss how facet analysis can be done.
c) Write a note of the world view on Ranganathan's role in knowledge organization and management.

Q3. Answer **any two (02)** of the following: (2X7=14)

a) What do you understand by faceted classification? Discuss its core concepts and process in detail.
b) Highlight the role of ISKO in faceted classification.
c) Discuss the methods and applications of faceted classification.

Q 4. Answer **any two (02)** of the following: (2X7=14)

a) What do you understand by ontology? How is it different from traditional classification?
b) Provide examples of ontologies from different domains.
c) Write a detailed note on colon ontology.

Q 5. Answer **any two (02)** of the following: (2X7=14)

a) Discuss the applications of linked data in libraries.
b) Explain the semantic web tools which can be helpful for the libraries.
c) Highlight the meaning and characteristics of big data.

CENTRAL UNIVERSITY OF HARYANA

Semester Examinations January 2023

Programme: M. Lib. I. Sc **Session: 2022-23**

Semester: III **Max. Time: 3 Hours**

Course Title: Ranganathan and Modern Techniques of Knowledge Organization

Max. Marks: 70

Course Code: SIAS LIS 03 02 DE 3205

Instructions:

1. Question no. 1 has seven parts and students need to answer any four. Each part carries three and half Marks.

2. Question no. 2 to 5 have three parts and student need to answer any two parts of each question. Each part carries seven marks.

Q 1. (4X3.5=14)

a) What is faceted classification?
b) What do you mean by Facets and Isolates?
c) Name any five books written by Ranganathan.
d) Where is the headquarter of ISKO located?
e) What is colon ontology?
f) What is Linked Data? Who has coined the term Linked Data?
g) Name any three faceted classification schemes.

Q 2. (2X7=14)

a) What do you understand by Faceted Analysis? Discuss Layers of classification with suitable example.
b) Discuss the steps of classifications given by Ranganathan in Colon Classification.
c) What do you understand by Normative Principles? Discuss the role of normative principles in knowledge organization.

Q3. (2X7=14)

a) Discuss the functions and activities of International Society for Knowledge Organization?
b) Briefly explain the context and applications of ISKO.
c) Discuss the Methods, Approaches and Philosophy of ISKO.

Q 4. (2X7=14)

a) What do you understand by an Ontology? Discuss the differences of ontology with classification scheme and thesaurus.
b) Explain the application of Ontology in Knowledge Organization.
c) Explain the steps of creation on an ontology using suitable examples?

Q 5. (2X7=14)

a) Discuss the evolution of World Wide Web (WWW).
b) What do you understand by Big Data? Discuss the Characteristics of Big Data.
c) What do you mean by Semantic Web? Discuss the applications of Semantic Web in brief.