

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, June-2023

Programme : M.Sc. Geography

Semester : 4th

Course Title: Geography of India

Course Code: SBS GEO 1 4 07 DCEC 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks : 70

Note: There are **total five questions** in this question paper and all are **compulsory**. Each Question carries **Fourteen Marks**. Maps /diagrams are required in answers.

Question no.1 has **seven sub parts** and students need to **answer any four parts**.

Question No1.

(4x3.5=14)

- a. Plains of India
- b. Peninsular River system
- c. New Industrial Policy
- d. Factors influencing location of Industry
- e. Literacy in India
- f. Factors of Population distribution
- g. Indian Waterways

Note: Question number **Two to Five** have three sub parts and students need to answer **any two sub part** of each question. Each sub part carries **seven marks**.

Question No.2

(2x7=14)

- a. Explain the geographical and regional classification of Himalayan mountains.
- b. Explain the different theories of origin of Indian Monsoon.
- c. Elaborate the different type of natural vegetation of India.

Question No.3

(2x7=14)

- a. Critically examine the salient features and problems of Indian agriculture.
- b. Critically evaluate the cause and effect of Green Revolution in India.
- c. Explain the major Industrial Regions of India.

Question No.4

(2x7=14)

- a. Examine the population growth in the light of demographic transition theory.
- b. Critically examine the population policy- 2000.
- c. Explain the growth and distribution of sex ratio in India.

Question No.5

(2x7=14)

- a. Critically examine the development of roadways in India.
- b. Critically examine the development of railways in India.
- c. Evaluate the growth and pattern of Indian trade with neighbour countries.

CENTRAL UNIVERSITY OF HARYANA

End Semester Examinations June-July, 2023

Programme: M.Sc. Geography

Session: 2022-23

Semester: Third

Max. Time: 3 Hours

Course Title: Fundamentals of GIS and GNSS

Max. Marks: 70

Course Code: SBS GEO 1 3 11 C 3104

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. Explain the following (4X3.5=14)

- a) WAAS
- b) NAVIC
- c) Digital image
- d) Galileo
- e) Topological error
- f) Coordinate transformation
- g) Spatial resolution

Q 2. (2X7=14)

- a) Describe raster data structure in detail.
- b) Write a note on (i) sources of GIS data and (ii) datum.
- c) Discuss map projection in detail.

Q3. (2X7=14)

- a) Discuss the types of attribute tables and their characteristics in GIS.
- b) Describe the Relational Model of Data Base Management System in GIS.
- c) Write a note on (i) Buffering and (ii) Overlay

Q 4. (2X7=14)

- a) Discuss the GNSS measurement error sources.
- b) How does GNSS function?
- c) Provide an overview of the historical progression of Global Navigation Satellite Systems (GNSS).

Q 5. (2X7=14)

- a) Write a note on use of GIS in cadastral mapping.
- b) Write a note on geospatial governance with suitable examples.
- c) Discuss the applications of GNSS in aviation.

CENTRAL UNIVERSITY OF HARYANA

End-Semester Examinations, June-2023 (Regular/Re-Appear)

Programme: M.Sc. Geography

Semester -II

Course Name: Economic Geography

Course Code: SBS GEO 1201 DCEC 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks: 70

Note: There are total **five questions** in this question paper and all are **compulsory**, each **Question carries Fourteen Marks. Maps /diagrams are required in answers.**

नोट: इस प्रश्न पत्र में कुल पाँच प्रश्न हैं और सभी अनिवार्य हैं, प्रत्येक प्रश्न चौदह अंकों का है। उत्तरों में मानचित्र/आरेख आवश्यक हैं।

Question No. 1. Write short note on **any four** of the following:

(4x3.5=14)

प्रश्न संख्या 1. निम्नलिखित में से किन्हीं चार पर संक्षिप्त टिप्पणी लिखिए :

- Transferability
हस्तान्तरणीयता
- Hinterland
पृष्ठ-प्रदेश
- Isotims
आइसोटीम्स
- Material Index
पदार्थ-सूचकांक
- Keil Canal
कील नहर
- Division of Labour
श्रम विभाजन
- Panama Canal
पनामा नहर

Note: Question number Two to Five have three sub parts and students need to answer any **two-sub part** of each question. Each sub part carries **seven** marks.

नोट: प्रश्न संख्या दो से पाँच के तीन उप भाग हैं और छात्रों को प्रत्येक प्रश्न के किसी भी दो उप भागों का उत्तर देने की आवश्यकता है। प्रत्येक उप भाग सात अंक का होगा।

Question No. 2

प्रश्न संख्या 2

(2X7=14)

- Explain the scope and approaches of Economic geography.
आर्थिक भूगोल के विषय-क्षेत्र और उपागमों की व्याख्या करें।
- Define the concept of Space and Time in Economic geography.
आर्थिक भूगोल में स्थान और समय की अवधारणा को परिभाषित कीजिए।
- Discuss the emerging trends in Economic geography after globalisation.
वैश्वीकरण के बाद आर्थिक भूगोल में उभरती प्रवृत्तियों पर चर्चा करें।

Question No.3

प्रश्न संख्या 3

(2X7=14)

a. Explain agricultural land use model and its applicability in recent world.

कृषि भूमि उपयोग मॉडल और हाल की दुनिया में इसकी प्रयोज्यता की व्याख्या करें।

b. Critically analyse Alfred Weber's theory of industrial location.

अल्फ्रेड वेबर के औद्योगिक अवस्थिति सिद्धांत का आलोचनात्मक विश्लेषण करें।

c. What are footloose industries? Discuss the key characteristics of a footloose industry with suitable example.

फुटलूज उद्योग क्या होते हैं? उपयुक्त उदाहरण देते हुए फुटलूज उद्योग की प्रमुख विशेषताओं की चर्चा कीजिए।

Question No.4

प्रश्न संख्या 4

(2X7=14)

a. What are the Old and New industrial spaces, and discuss their transformation process.

पुराने और नए औद्योगिक स्थान क्या हैं, और उनकी परिवर्तन प्रक्रिया पर चर्चा करें।

b. Discuss the economic organisations and how spatial change affects the economies.

आर्थिक संगठनों पर चर्चा करें और कैसे स्थानिक परिवर्तन अर्थव्यवस्थाओं को प्रभावित करता है।

c. Explain the role of technology in economic development of any region or state with suitable example.

उपयुक्त उदाहरण देते हुए किसी क्षेत्र या राज्य के आर्थिक विकास में प्रौद्योगिकी की भूमिका की व्याख्या कीजिए।

Question No.5

प्रश्न संख्या 5

(2X7=14)

a. Discuss the emergence of feminism in economic geography.

आर्थिक भूगोल में नारीवाद के उदय की विवेचना कीजिए।

b. Describe the major trans-continental rail network systems of the world in detail.

विश्व की प्रमुख अंतरमहाद्वीपीय रेल नेटवर्क प्रणालियों का विस्तार से वर्णन कीजिए।

c. What do you mean by *Globalisation*? Discuss its impacts on developing countries.

वैश्वीकरण से आप क्या समझते हैं? विकासशील देशों पर इसके प्रभावों की चर्चा कीजिए।

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, June/July 2023

Programme: M.Sc. Geography

Session: 2022-23

Semester: 2nd

Max. Time: 3 Hours

Course Title: Evolution of Geographical Thought

Max. Marks: 70 Course

Code: SBS GEO 1206 C 3104

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. Explain the followings:

(4X3.5=14)

- a) Areal differentiation
- b) Structuralism
- c) Landscape
- d) Erdkunde
- e) Terrestrial Phenomena
- f) Dark Age
- g) Neo-determinism

Q 2.

(2X7=14)

- a) Elaborate the Geographical knowledge in ancient India.
- b) Explain the Geography as a spatial science.
- c) Discuss the Schools of thoughts and their contributions.

Q3.

(2X7=14)

- a) Discuss the Possibilism approach in detail.
- b) Discuss the spatial organization in Geography.
- c) Explain the significance of location and space in Geography.

Q 4.

(2X7=14)

- a) Explain the concepts of positivism in development in Geography.
- b) Give a detail note on rise of Marxist approach in Geography.
- c) Explain the development of Post Modernism approach in field of Geography

Q 5.

(2X7=14)

- a) Discuss the changing Nature of Geography.
- b) Discuss the approaches and methodologies of Geography.
- c) Examine the various Indian geographer's contributions in development of Geography.

CENTRAL UNIVERSITY OF HARYANA

End Semester Examinations June-July, 2023

Programme: M.Sc. Geography

Session: 2022-23

Semester: Second

Max. Time: 3 Hours

Course Title: Fundamentals of Photogrammetry and Remote Sensing

Max. Marks: 70

Course Code: SBS GEO 1 2 07 C 3104

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. Write a short note on (4X3.5=14)

- a) Digital image
- b) Landsat
- c) Platforms
- d) RADAR
- e) Atmospheric window
- f) Unsupervised classification
- g) FCC

Q 2. (2X7=14)

- a) Define aerial photograph? Discuss the various types of aerial photographs.
- b) Write briefly about the historical development of photogrammetry.
- c) Write a note on (i) stereoscopic vision and (ii) overlapping

Q3. (2X7=14)

- a) Define remote sensing? Discuss the basic principles of remote sensing.
- b) What is electromagnetic spectrum and its functions?
- c) Write a note on thermal remote sensing.

Q 4. (2X7=14)

- d) Discuss various types of sensor resolutions in remote sensing.
- e) What is digital image processing? Discuss the supervised image classification.
- f) Discuss the satellite orbits and their characteristics.

Q 5. (2X7=14)

- a) Write a note on remote sensing programmes in India.
- b) Explain the role of remote sensing data in agricultural studies.
- c) How is remote sensing used in forestry?

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, July 2023 (Reappear)

Programme : M.Sc. Geography

Semester : 3rd

Course Title: Population and Demographic Studies

Course Code: SBS GEO 1 3 13 C 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks : 70

Note: There are total five questions in this question paper and all are compulsory. Each Question carries Fourteen Marks.

Question no.1 has seven sub parts and students need to answer any four parts.

Question No1.

(4X3.5=14)

- Define demography and population studies
- National Family Health Survey
- Formula and use of ASFR, CDR, TFR, IMR
- Pre Malthusian thought on population
- Migration influenced population policy
- Difference between Pro-natalist and Anti-natalist population policy
- Population distribution and characteristics of India

Note: Question number Two to Five have three sub parts and students need to answer any two sub part of each question. Each sub part carries seven marks.

Question No.2

(2X7=14)

- Write a comment on the concept, scope and methodology of population geography.
- Explain the history and method of data collection of Indian Census.
- Write a comment on population data sources – United Nation and Vital Registration

Question No.3

(2X7=14)

- Critically examine the theory of Demographic Transition.
- Explain the different measures of Nuptiality.
- Explain a Model Life Table by stepwise process, formula and their meaning.

Question No.4

(2X7=14)

- Explain fertility influenced population policy.

b. What is demographic dividend and explain its utility for India.

c. Examine India's Population Policy.

Question No.5

(2X7=14)

a. Critically examine the relationship among women, education and health.

b. Explain the major problems of urbanization in India.

c. Explain the relationship among globalization, population and environment.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, July 2023 (Reappear)

Programme : M.Sc. Geography

Semester : 3rd

Course Title: Regional Development and Planning

Course Code: SBS GEO 1 3 12 C 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks : 70

Note: There are total five questions in this question paper and all are compulsory. Each Question carries Fourteen Marks.

Question no.1 has seven sub parts and students need to answer any four parts.

Question No1.

(4X3.5=14)

- Concept and characteristic of Region
- Utility of Regional Planning
- Rostow's Model
- Growth Pole and Growth Centre
- Development Indicators
- Regional Imbalance
- Urban Development in Haryana

Note: Question number Two to Five have three sub parts and students need to answer any two sub part of each question. Each sub part carries seven marks.

Question No.2

(2X7=14)

- Explain the type of regions.
- Explain the concept of regional development and its relationship with other branches of geography.
- Elaborate any approach of regional planning.

Question No.3

(2X7=14)

- Explain the trickle down and backwash effect in regional development.
- Elaborate the Friedman's Core-Periphery model of development.
- Explain the Rostow's model in relation to development.

Question No.4

(2X7=14)

- Explain the role of NITI Aayog and State Planning Board in regional Development and planning.

b. Identify the need, structure and problems of multi level planning in India:

c. Explain the tribal area planning in India.

Question No.5

(2X7=14)

a. Explain the utility of National Capital Region planning in India.

b. Explain the Industrial development in Haryana

c. Identify and explain the agro-climatic regions of India.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, July-2023

Programme : M.Sc. Geography

Semester : 2nd

Course Title: Geography of India

Course Code: SBS GEO 1 2 04 GE 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks : 70

Note: There are **total five questions** in this question paper and all are **compulsory**. Each Question carries **Fourteen Marks**. Maps /diagrams are required in answers.

Question no.1 has **seven sub parts** and students need to **answer any four parts**.

Question No1.

(4x3.5=14)

- a. Plains of India
- b. Islands of India
- c. Major Industrial Region of India (Any Three)
- d. Factors influencing location of Industry
- e. Sex Ratio in India
- f. Factors of Population distribution
- g. India's Trade

Note: Question number **Two to Five** have three sub parts and students need to answer **any two sub part** of each question. Each sub part carries **seven marks**.

Question No.2

(2x7=14)

- a. Explain the geographical classification of Himalayan mountains.
- b. Explain the recent theory of origin of Indian Monsoon.
- c. Elaborate the different type of soil of India.

Question No.3

(2x7=14)

- a. Critically examine the salient features of Indian agriculture.
- b. Write a comment on Green Revolution in India.
- c. Explain the New Industrial Policy of India.

Question No.4

(2x7=14)

- a. Examine the population growth of India.
- b. Critically examine the India's population policy- 2000.
- c. Explain the development of literacy in India.

Question No.5

(2x7=14)

- a. Critically examine the development of roadways in India.
- b. Critically examine the development of railways in India.
- c. Explain the waterways in India.

CENTRAL UNIVERSITY OF HARYANA

End-Semester Examinations, June-2023 (Regular/Re-Appear)

Programme: M.Sc. Geography

Semester -II

Course Name: Hydrology and Oceanography

Course Code: SBS GEO 1208 C 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks: 70

Note: There are total five questions in this question paper and all are *compulsory*, each Question carries *Fourteen Marks*. Maps /diagrams are required in answers.

नोट: इस प्रश्न पत्र में कुल पाँच प्रश्न हैं और सभी अनिवार्य हैं, प्रत्येक प्रश्न चौदह अंकों का है। उत्तरों में मानचित्र/आरेख आवश्यक हैं।

Question No. 1. Write short note on *any four* of the following:

(4x3.5=14)

प्रश्न संख्या 1. निम्नलिखित में से किन्हीं चार पर संक्षिप्त टिप्पणी लिखिए :

a. Interception

वर्षा-अवरोध

b. Potential-Evapotranspiration

सम्भाव्य-वाष्पोत्सर्जन

c. Infiltration

अंतःस्पदन

d. EEZ

वि. आ. क्षे.

e. Hypsometric Curve

उच्चतादर्शी वक्र

f. Pelagic deposits

पेलैजिक निक्षेप

g. Mangroves

मैंग्रोव

h. Food Web

खाद्य-जाल

Note: Question number Two to Five have three sub parts and students need to answer any two-sub part of each question. Each sub part carries *seven* marks.

नोट: प्रश्न संख्या दो से पाँच के तीन उप भाग हैं और छात्रों को प्रत्येक प्रश्न के किसी भी दो उप भाग का उत्तर देने की आवश्यकता है। प्रत्येक उप भाग सात अंक का होगा।

Question No.2

प्रश्न संख्या 2

(2X7=14)

a. Discuss the approaches and scope of hydrology.

जल विज्ञान के उपागमों और विषय-क्षेत्र की चर्चा करें।

- b. Define Hydrograph and its components. How does assumptions limit the applicability of unit hydrograph?

हाइड्रोग्राफ और उसके घटकों को परिभाषित कीजिए। यूनिट हाइड्रोग्राफ की प्रयोज्यता को कैसे सीमित करता है?

- c. Discuss the National water policies of India, critically describe the latest efforts regarding water policy of the present government.

भारत की राष्ट्रीय जल नीतियों की चर्चा कीजिए, वर्तमान सरकार की जल नीति के संबंध में नवीनतम प्रयासों का समालोचनात्मक वर्णन कीजिए।

Question No.3

प्रश्न संख्या 3

(2X7=14)

- a. Discuss the scope of oceanography, explain its historic evolution.

समुद्र विज्ञान के विषय-क्षेत्र की चर्चा कीजिए, इसके ऐतिहासिक विकास की व्याख्या कीजिए।

- b. Describe the major relief features of the bottom of Indian Ocean.

हिन्द महासागरीय नितल के प्रमुख उच्चावचों का वर्णन कीजिए।

- c. Classify oceanic deposits and describe their distribution.

महासागरीय निक्षेपों का वर्गीकरण कीजिए तथा उनके वितरण का वर्णन कीजिए।

Question No.4

प्रश्न संख्या 4

(2X7=14)

- a. Give an account of the factors influencing distribution of salinity in oceanic water.

महासागरीय जल में लवणता के वितरण को प्रभावित करने वाले कारकों का विवरण दीजिए।

- b. How tides are caused? Describe any two major theories.

ज्वार भाटा की उत्पत्ति कैसे होती है? किन्ही दो प्रमुख सिद्धांतों का वर्णन कीजिए।

- c. What are the factors responsible for the circulation of Ocean Currents? Explain in detail the circulation of Atlantic Ocean currents.

महासागरीय धाराओं के संचलन के लिए उत्तरदायी कारक कौनकोन से हैं-? अटलांटिक महासागरीय धाराओं के संचलन का विस्तार से वर्णन कीजिए।

Question No.5

प्रश्न संख्या 5

(2X7=14)

- a. Describe the ideal conditions for Coral Reef formation and discuss the causes of Coral Bleaching.

प्रवाल भित्ति निर्माण के लिए आवर्श वशाओं का वर्णन कीजिए तथा प्रवाल विरंजन के कारणों की विवेचना कीजिए।

- b. Discuss the impact of marine pollution on coast and coastal ecology.

तट और तटीय पारिस्थितिकी पर समुद्री प्रदूषण के प्रभावों की चर्चा कीजिए।

- c. What issues are related to the sustainability of oceanic ecosystem?

महासागरीय पारिस्थितिकी तंत्र की वहनीयता से कौन से मुद्दे संबंधित हैं?

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, June-2023

Programme : M.Sc. Geography

Semester : 4th

Course Title: Geography of Central Places

Course Code: SBS GEO 1 4 09 DCEC 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks : 70

Note: There are **total five questions** in this question paper and all are **compulsory**. Each Question carries **Fourteen Marks**. Maps /diagrams are required in answers.

✓ Question no.1 has **seven sub parts** and students need to **answer any four parts**.

Question No1.

(4x3.5=14)

- B.K. Roy's model of village transformation
- Economies of agglomeration
- Criteria of central place function
- Measurement of Range of a Good
- Distance decay effect
- Methods of delimitation of areas of influence
- Measurement of centrality

Note: Question number **Two to Five** have three sub parts and students need to answer **any two sub parts** of each question. Each sub part carries **seven marks**.

Question No.2

(2x7=14)

- Critically examine the Bylund's model of settlement development.
- Examine the spatial pattern of settlement and their techniques.
- What is central place? Explain the attributes and process of formation of central place.

Question No.3

(2x7=14)

- Discuss in detail the concept of primate city settlement.
- What is rank size rule? Explain it in the light of responsible forces and deviations.
- Explain the hierarchy of central places on the basis of function and size.

Question No.4

(2x7=14)

- a. Provide a detailed account of Walter Christaller's central place theory.
- b. Explain the concept of city region.
- c. Discuss the measurement of threshold.

Question No.5

(2x7=14)

- a. Establish a linkage between central place theory and regional development and planning.
- b. Explain the central place system in India by taking Delhi as a case study.
- c. Explain the future of rural service centers and market in the light of central place.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations June 2023

Programme: M.Sc. Geography

Session: 2022-23

Semester: Fourth

Max. Time: 3 Hours

Course Title: Natural Hazards and Disaster Management

Max. Marks: 70

Course Code: SBS GEO 1 4 12 DCEC 3104

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. Explain briefly (4X3.5=14)

- a) Disaster mitigation
- b) Risk management
- c) Hazard profile
- d) Disaster resilience
- e) Damage assessment
- f) Landslide
- g) Retrofitting
- h) Building code

Q 2. (2X7=14)

- a) Explain the concept of Hazards and Disaster with suitable examples.
- b) What is vulnerability in the context of disaster? Discuss the measuring vulnerability and topology with suitable examples.
- c) Discuss the flood disaster management in India.

Q3. (2X7=14)

- a) What is Early Warning System? Discuss the elements and basic features in detail.
- b) Discuss the role of national and international NGOs/Civil Societies in disaster management.
- c) Describe the multistakeholder participation in Disaster Management.

Q 4. (2X7=14)

- a) Discuss the long-term community-based counter disaster planning.
- b) Describe the reconstruction and rehabilitation as a means of development.
- c) What is the role of various agencies in recovery measures?

Q 5. (2X7=14)

- a) Explain briefly national policy on disaster management 2009.
- b) Discuss the role of remote sensing and GIS in disaster management.
- c) Discuss the GNSS application in disaster management.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, June 2023

Programme: M.Sc. Geography

Session: 2022-23

Semester: 4th

Max. Time: 3 Hours

Course Title: Political Geography

Max. Marks: 70 Course

Code: SBS GEO 1410 DCEC 3104

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. Explain the followings:

(4X3.5=14)

- a) Unitary
- b) Globalization
- c) Frontiers
- d) Nation
- e) Ethnicity
- f) OPEC
- g) Rimland

Q 2.

(2X7=14)

- a) Discuss the scope and development of Political Geography.
- b) Discuss the trend of new world systems.
- c) Explain the federal form of governance.

Q3.

(2X7=14)

- a) Discuss the concept of boundaries in detail.
- b) Discuss the concept of Nation-State Building.
- c) Discuss the politics of culture and language.

Q 4.

(2X7=14)

- a) Critically examine the Heartland theory.

b) Give a detail note on rise and demise of German Geopolitics.

c) Explain the role of ASEAN as a regional cooperation.

Q 5.

(2X7=14)

a) Discuss the geopolitical significance of Indian Ocean in changing maritime boundaries.

b) Discuss the role of India as an emerging power in South Asia.

c) Give the detail account for inter-state water dispute in India.