

CENTRAL UNIVERSITY OF HARYANA

Second Semester Term End Examinations August-September 2022

Programme: M.Sc. Geography

Session: 2021-22

Semester: II

Max. Time: 3 Hours

Course Title: Economic Geography

Max. Marks: 70

Course Code: SBS GEO 1 2 01 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) Footloose industries
- b) Tertiary activities
- c) E-commerce
- d) Economic activities
- e) Factors affecting industrial location
- f) High technology trade
- g) Globalization

Q 2.

(2X7=14)

- a) What is economic geography? Discuss the approaches to study economic geography.
- b) Explain the concept of space, place and scale in economic geography.
- c) Discuss the recent trends in economic geography.

Q3.

(2X7=14)

- a) Discuss the sectors of economy and their importance in the development of the country.
- b) Critically evaluate Alfred Weber's theory of Least Cost Location.
- c) Discuss the Von Thunen's Model and its relevance in contemporary world.

Q 4.

(2X7=14)

- a) Discuss the technological systems and the evolution of the world economy.
- b) Describe the inter-relationships between economic organization and spatial change.
- c) Discuss the new industrial spaces with suitable examples in global context.

Q 5.

(2X7=14)

- a) Discuss the emergence of feminism in economic geography.
- b) What is global trade? Explain the barriers and the changing sectoral composition of global trade.
- c) Describe the salient features of the globalization of gender and work.

CENTRAL UNIVERSITY OF HARYANA

Second Semester Term End Examinations August-September 2022

Programme: M.Sc Geography

Session: 2021-22

Semester: Second

Max. Time: 3 Hours

Course Title: Geography of India (GEC)

Max. Marks: 70

Course Code: SBS GEO 1 2 04 GE 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. (4X3.5=14)

- a) Define monsoon and discuss its importance.
- b) Problems of Indian agriculture
- c) Green Revolution
- d) Population policy of India
- e) Role of transport in national development
- f) Different types of drainage network
- g) Highlight the Brahmaputra River System in context to India

Q 2. (2X7=14)

- a) Discuss the major physiographic divisions of India and explain their characteristics.
- b) Describe the distribution and importance of different types of natural vegetation in India.
- c) Explain the mechanism of Indian monsoon and discuss its impact on agriculture.

Q3. (2X7=14)

- a) Describe the various measures the government has taken for agricultural reforms.
- b) Explain India's major industrial regions and their characteristics.
- c) What are the most significant issues confronting the Indian Manufacturing Industries?
Discuss in detail.

Q 4. (2X7=14)

- a) Discuss the trends of population growth in India.
- b) Critically evaluate the recent changes in India's sex ratio.
- c) Without proper population policy implementation, the third stage of demographic transition could last much longer, discuss in the context of India.

Q 5. (2X7=14)

- a) Discuss the chronology for the development of India's road network.
- b) Explain in detail the importance of India's major waterways.
- c) Discuss recent trends in foreign trade of India. Explain the impact of newly signed Free Trade Agreements (FTAs) on Indian Foreign Trade.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, August-September 2022

Programme: M.Sc. Geography

Semester : Second

Course Title: Evolution of Geographical Thought

Course Code: SBS GEO 1 2 06 C 3104

Session: 2021-22

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)

Briefly explain the followings:

- a. Differentiate between Humboldt and Ritter's thought
- b. Contribution of Ellen Churchill Semple
- c. Concept of space in geography
- d. Concept of spatial organisation
- e. Marxist geography
- f. Gender geography
- g. Geography and public policy

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

Question No.2

(2X7=14)

- a. 'Geography is a science of relationship and distribution', justify the statement with suitable examples.
- b. Discuss the characteristics of systematic geography and regional geography.
- c. Critically examine the contribution of German school of thought in geography.

Question No.3

(2X7=14)

- a. 'Who governs who?', explain the man- environment relationship.
- b. Explain the concept of region in geography.

c. Examine the concept of areal differentiation in geography.

Question No.4

(2X7=14)

- a. Discuss the quantitative revolution in geography.
- b. Critically explain the origin, characteristics, theory and utility of positivism in geography.
- c. Provide the detail account of philosophical base of humanistic geography.

Question No.5

(2X7=14)

- a. Explain the landmasses and seas mentioned in ancient Indian texts.
- b. Discuss the role of geography in public policy.
- c. Discuss the evolution and progress of geography in India.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, August-September 2022

Programme :M.Sc. Geography

Session: 2021-22

Course Title: Hydrology and Oceanography

Max. Time: 3 Hours

Course Code: SBS GEO 1 2 08 C 3104

Semester : 2nd

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)

- a. Difference between crust and lithosphere
- b. How does surface condition of soil affect infiltration?
- c. Evaporation
- d. Factors affecting oceanic circulation
- e. Gyre, CCD, Ekman Transport
- f. West Boundary current and East Boundary current
- g. Marine pollution

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)

- a. What is an interception? Identify its affecting factors and explain the interception losses from different types of vegetation.
- b. Give a detailed account of the factors that influence evaporation from the free water surface.
- c. How does the climatic and catchment factors affect the runoff.

Question No.3

(2X7=14)

- a. Discuss the historical development of oceanography.
- b. Determine the relationship among the plate boundary, the continental margin and human population.

c. What are the major classifications of oceanic sediments? Explain its distribution?

Question No.4

(2X7=14)

a. Explain the equilibrium theory of tides with different complications.

b. Explain the process of thermohaline circulation in oceans.

c. How does the temperature and salinity of oceans influence the atmospheric circulation?

Question No.5

(2X7=14)

a. How do physical factors affect the marine life?

b. 'Oceans are source of resources', elaborate it with suitable examples.

c. What conditions are required for coral reef growth? Explain its types and problems.

CENTRAL UNIVERSITY OF HARYANA

Second Semester Term End Examinations August-September 2022

Programme: M.Sc. Geography

Session: 2021-22

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 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. Briefly explain the followings:

(4X3.5=14)

- a) Spatial Resolution
- b) Stereoscopic Vision
- c) Electromagnetic Spectrum
- d) Cartosat
- e) Types of Sensor
- f) Satellite Orbits- Near Polar and Geostationary Orbits
- g) FCC

Q 2.

(2X7=14)

- a) What do you mean by photogrammetry? Discuss its historical development.
- b) What is aerial photograph? Explain the various types and characteristics of Aerial Photographs.
- c) Discuss the various methods of determining scale in Photogrammetry.

Q3.

(2X7=14)

- a) What is remote sensing? Explain the data acquisition process of remote sensing in detail.
- b) Discuss the interaction of EMR with atmosphere and earth surface with suitable diagram.
- c) Explain the basic principles of thermal and microwave remote sensing.

Q 4.

(2X7=14)

- a) Explain the various types and characteristics of platforms in remote sensing.
- b) Explain the various types and characteristics of satellite orbits.
- c) Discuss the elements of image interpretation with suitable examples.

Q 5.

(2X7=14)

- a) Explain the application of remote sensing data in geographical studies.
- b) Discuss Indian Remote Sensing Programme in detail.
- c) Has remote sensing-based technology become dominant in recent decades? Discuss the role of National Remote Sensing Centre (NRSC) in this context.

CENTRAL UNIVERSITY OF HARYANA

First Semester Term End Examinations September 2022

Programme: M.Sc. Geoinformatics

Session: 2022-23

Semester: First

Max. Time: 3 Hours

Course Title: Principles of Remote Sensing

Max. Marks: 70

Course Code: SBS GEO 3 1 0 1 C 3 1 0 4

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. (4X3.5=14)

- Define Remote Sensing.
- Concept of Spectral Signature.
- What is Electromagnetic Spectrum?
- Explain specifications of Cartosat-1.
- Types of Sensor
- Explain Satellite Orbits- Near Polar and Geostationary Orbits.
- What is National Remote Sensing Centre (NRSC)?

Q 2. (2X7=14)

- Explain the data acquisition process of Remote Sensing in detail with suitable diagram.
- Discuss the interaction of EMR with Atmosphere with suitable diagram.
- Discuss the interaction of EMR with the Earth surface with suitable diagram

Q3. (2X7=14)

- Explain the various types and characteristics of Platforms in Remote Sensing.
- Explain the Sensor Specification of LANDSAT and LISS ~~sensor~~ OLI.
- What do you mean by Sensor Resolution? Explain the various types of Sensor Resolution in detail.

Q 4. (2X7=14)

- What is Thermal Remote Sensing? Explain the thermal properties of materials.
- Discuss the concept and principles of Microwave Remote Sensing.
- Discuss the various applications of Thermal Remote Sensing.

Q 5. (2X7=14)

- Explain the elements of visual image interpretation.
- Discuss the role of Visual Image Interpretation keys.
- Explain the various Remote Sensing set up in India.

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