

M.A/M.S.c 1<sup>st</sup> year/1<sup>st</sup> Semester Examination 2023

Subject: Geography

Paper: Philosophy of Geography

Paper Code: GEO/CC/4101



Time: 2 hrs

Full Marks: 40

*The figures in the margin indicate full marks*

*Answer any four questions selecting one from each Unit*

***Unit-1: Genesis of Geographical Thought***

1. Comment with reasons whether Alexander Von Humboldt and Carl Ritter are rightly called the 'fathers of modern geography'. Distinguish between general and particular geography. 6+4

2. Explain the impact of the evolving man-nature relationship highlighting the determinism-possibilism debate. What is critical geography? 7+3

***Unit-2: Trends in Geography***

3. Bring out the significance of post-modernism in geography. Critically analyze the major features of poststructuralist geography. 6+4

4. State the major dichotomies that emerged in geographical studies since renaissance? What are the major features of the positivist approach in geographical enquiry? What do you understand by post-colonialism. 3+5+2

***Unit-3: Geography and Inequality***

5. Explain the concept of social justice after David Harvey. Comment on the geography of power as envisioned by Richard Peet. 6+4

6. What is geography of well-being? Critically analyze the methodology of structuralism after Levi Strauss? 3+7

***Unit-4: Changing Face of Geography***

7. Provide an outline of revival of classical paradigm in development of contemporary geography. Define human ecology. 8+2

8. Enumerate the development of radical geography in the latter half of the 20th Century. What is 'new critical revolution'? 8+2



M.A/M.Sc. (1<sup>st</sup> Year) 1<sup>st</sup> Semester Examination - 2023

Subject: Geography

Paper Code: GEO/CC/4102

Paper Name: Geomorphology

Full marks: 40

Time: 2 hours

*The figures in the margin indicate full marks*

*Answer any four questions selecting one from each Unit*

**Unit I: Concepts in Geomorphology**

1. Elaborate various types of equilibrium in fluvial system in the context of different spatial and temporal scales. What is process-response system? 7+3
2. Make a comparison between 'slope decline model' as proposed by W.M. Davis and 'slope replacement model' as proposed by W. Penck. State the concept of geomorphic threshold to address episodic erosion of the landform. 6+4

**Unit II: Rivers and river basins**

3. Classify fluvial depositional landforms with special reference to alluvial floodplains of Bengal basin. What is landform ordering? 7+3
4. What is meant by hydraulic geometry? Discuss in details the properties for explaining hydraulic geometry of a channel. 2+8

**Unit - III: Evolution of Landforms**

5. Explain the importance of sediment as the morphodynamic variables on the evolution of coastal forms. How are Pingos formed? 6+4
6. What is Planetary Geomorphology? Explain the formation of pluvial and glacial lakes during Pleistocene epoch. 3+7

**UNIT - IV: Applied Geomorphology**

7. How does geomorphological knowledge help in flood management? Discuss the various factors of landslide in Darjeeling. 5+5
8. Distinguish between swash and backwash. What are the major vulnerabilities associated with coastal erosion? How far geomorphic knowledge is useful for managing such hazard? 2+4+4



M.A/M.Sc. 1<sup>st</sup> year/1<sup>st</sup> Semester Examination 2023

Subject: Geography

Paper: Climatology

Paper code: GEO/CC/4103

Time: 2 hrs

Full Marks: 40

*The figures in the margin indicate full marks*

*Answer any four questions selecting one from each Unit*

***Unit-I: Concept of Weather and Climate***

1. Differentiate between macro and micro climate. Discuss major factors that affect macro climate. 3+7
2. Discuss the major theories to explain the formation of clouds. Distinguish between sleet and snow. 8+2

***Unit-II: Tropical Climates and Weather Hazards***

3. Define air mass. Discuss the different processes of air mass modification. Classify tropical air masses. 1+6+3
4. Discuss the characteristics of Asian monsoon. Mention the recent forecasting techniques for the Asian monsoon. 6+4

***Unit-III: Climate Change***

5. What is meant by climate cycle? Elucidate the scientific evidences of past climate change. 3+7
6. Write a short note on COP26. How do human activities contribute to climate change? - Discuss. 3+7

***Unit-IV: Applied Climatology***

7. What are the main causes for the formation of Urban Heat Island? Mention major measures that can be adopted to minimize this. 6+4
8. Discuss water budget in details. What is agricultural drought? What do you mean by heat stress? 6+2+2



M.A/M.Sc. 1<sup>st</sup> year/1<sup>st</sup> Semester Examination 2023  
 Subject: Geography  
 Paper: Economic Geography  
 Paper Code: GEO/CC/4104

Time: 2 hrs

Full Marks: 40

*The figures in the margin indicate full marks  
 Answer any four questions selecting one from each Group*

**Unit-I: Resources and Economy**

1. Explain with examples, how the concept of resources has changed over time. Mention the population-resource region after Ackerman. 7+3
2. Explain the concept of optimum population with suitable examples. Briefly discuss different ways of sustainable resource management. 4+6

**Unit-II: Agricultural Economy**

3. Assess the success and failure of land reforms with special reference to West Bengal. What are the main segments of agri-business. 8+2
4. Discuss the important dimensions of food security in India. What are the major challenges to food security in India? 5+5

**Unit-III: Industrial Economy**

5. Evaluate the Industrial location theory of Hoover. How far it is relevant in present context. 7+3
6. Discuss the role of food processing industry in the economic development of India. What do you mean by software technology parks. 7+3

**Unit-IV: Trade and Commerce**

7. Mention the context for formation of GATT. Evaluate the role of WTO in regulating open trade globally, with examples. 3+7
8. Discuss the origin and scope of periodic markets. Classify markets on the basis of hierarchy, scale and typology. 4+6