

Time Allowed : 3 Hours

Full Marks : 200

If the questions attempted are in excess of the prescribed number, only the questions attempted first up to the prescribed number shall be valued and the remaining ones ignored.

Answers may be given either in English or in Bengali but all answers must be in one and the same language.

Illustrate your answer with suitable sketches and diagrams.

Answer any five Questions, taking at least two from each Group.

GROUP-A

1. Critically evaluate Penck's view of "Cycle of Erosion". How does it differ from Davisian "Cycle of Erosion" ?  
28+12
2. Describe the various types of land forms developed on Igneous rock with suitable examples. Critically discuss the theory of Seafloor spreading.  
20+20
3. Mention the theories related to the origin of Indian Monsoon emphasizing the role of Jet stream. Explain the phenomenon of Ozone depletion and its Consequences.  
22+18
4. Explain the characteristics of Tropical-rainforest biome with special emphasis on the biodiversity of this region. Mention the major Consequences of deforestation.  
28+12
5. Classify Map projections on the basis of their properties. Discuss the fundamental properties and principles of Mercator's projection. State the reasons why this projection is used for navigational purpose.
6. Define 'Urban morphology'. Illustrate at least two models of Urban land use with suitable examples. What is meant by "occupational structure".  
10+24+6
7. Critically discuss Von-Thunen's model of agricultural landuse. State how far it is relevant in the present day society. Mention the physical and cultural factors responsible for the development of dairy farming in temperate land.  
14+8+18
8. Explain the factors which facilitate the concentration of population in any region. Mention the several measures of population growth. State the significance of age-sex structure of population.  
14+14+12
9. Critically explain Mackinder's Heartland theory highlighting a debate on his prediction of Germany would be a super power of the world. Distinguish between "frontier" and "boundary".  
28+12
10. Discuss the concept of "planning region". Explain the methods of regionalisation.  
Illustrate how resource base and technology help in the development of a region.  
6+12+22