2022

GEOGRAPHY

PAPER-I

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 answers with suitable diagrams/sketches.

Answer any five *questions, taking at least* two *from each group.*

Group-A

1. Explain the formation and evolution of a Karst landscape. Provide examples of such landscapes and enumerate the factors contributing to their development.   20+5+15=40

2. How do the jet stream and El Nino influence the monsoon patterns around the world? How are the international efforts and agreements addressing the impacts of climate change on a global change?
20+20=40

3. Explain the major theories of formation of Coral-Reefs. Discuss the physical properties of ocean water.   20+20=40

4. Discuss with examples the principles and components of ecosystem. Give descriptions of the different ecological pyramids.   20+20=40

5. Enlist the key steps using a Dumpy Level instrument for setting up effectively in field-survey. Discuss the properties and applicability of Cylindrical Projection.   20+20=40

Group-B

6. Specify the differences between plantation farming in tropics and intensive-subsistence farming in monsoon lands. Discuss the relevance and applicability of Von Thunen's Land-use model in modern context.   20+20=40

7. How does India's demographic position relate to the Demographic Transition Theory? Illustrate with specific examples the types and consequences of migration in any country. 20+20=40

8. Evaluate the Heartland Theory as propounded by Mackinder. What is the relationship between social ecology and social space and also provide examples related to it.   20+20=40

9. Distinguish between the characteristics of rural and urban settlements. Discuss the basic tenets of Harris and Ullman's model of urban growth.   20+20=40

10. Enumerate the tenets and relevance of Growth Pole Theory of Perroux with examples. Mention the characteristics of different levels of planning on the basis of sustainable development.   20+20=40

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