

CSM(O)-GEPHY-I/22

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

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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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