

2017
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 answer with suitable sketches and diagrams.

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

Group- A

- ✓ 1. How do earthquake waves help to understand the interior of the earth? Elaborate the evidences in support of the theory of Continental Drift. [15+25]
2. How air masses are get modified? Discuss the General Circulation Model (GCM) of the atmosphere. [20+20]
3. Evaluate the theories concerning formation of coral reefs. What are the applications of T-S Diagram? [30+10]
- ✓ 4. Elaborate the components and structure of a detritus food chain. Discuss briefly about the natural hazards occurring in the humid tropics. [15+25]
5. How are thematic maps important in resource management? Elaborate the role of Remote Sensing and GIS in urban development and planning. [20+20]

Group- B

6. What is optimum utilization of resources? Discuss the prospects and problems of nuclear power production in the developing countries. [10+30]
- ✓ 7. What are the characteristic features of Neo-Malthusianism? Assess the social consequences of migration citing specific examples. [15+25]
- ✓ 8. How is *absolute space* different from *relative space*? Elaborate the theory of Rimland and comment on its relevance in the contemporary geopolitics. [10+20+5]
- ✓ 9. Distinguish between *types* and *patterns* of rural settlements with examples. Explain the concept of CBD and bring out its significance on urban morphology. [20+10+10]
10. What is sustainable regional development? Examine the problems and prospects of multi-level planning in India. [10+30]

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