

2009

M.Sc.

2nd Semester Examination

GEOGRAPHY

PAPER—GR-1201

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Write the answer Questions of each Unit in separate books

Unit-13 (Geomorphology-II)

Group—A

Answer any one of the following questions. 8×1

1. How can geomorphological principles be applied to manage environmental problems? Discuss with specific examples.
2. Explain the major characteristics of environmental geology and geomorphology of Andaman and Nicobar Islands with special reference to tectonics and landforms.

(Turn Over)

Group—B

Answer any *two* from the following questions. 4×2

3. Classify and explain the formation of fluvial features seen in the foot-hills of Darjiling Himalaya.
4. Bring out the morphological individuality of the Maharashtra plateau with reference to its structural features.
5. Identify the geomorphological processes and resultant landforms of Rajasthan desert.
6. Explain the development of beach ridge cheniers in Subarnarekha delta.

Group—C

Answer any *two* from the following questions. 2×2

7. Define environmental geomorphology.
 8. What is dynamic equilibrium?
 9. How can the situation of Barren volcano be explained?
 10. Define raised beach features.
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Unit-14 (Climatology-II)

1. Answer any *one* from the following : 1×8
- (a) Explain the nature and types of variation in earth-sun relationships that result in long term climatic changes.
 - (b) Describe, with suitable examples, the influence of the Bay of Bengal on the climate of India.
2. Answer any *two* from the following : 2×4
- (a) Why do the snowclad, sunlit peaks of high mountain ranges get gradually obscured by progressive morning development of cumuliform clouds ?
 - (b) Explain the significance of measurement of atmospheric pressure.
 - (c) Elaborate the mechanism of smog formation in and around urban industrial centres.
 - (d) What are the probable health effects of recent global warming ?
3. Answer any *two* from the following : 2×2
- (a) Why is the tropical wet climate richest in species diversity ?

- (b) What do you mean by 'proxy records' of climate change?
- (c) How does savanna vary from desert in climatological terms?
- (d) Write any two significant features of the desert climate.
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