

**M.A/M.Sc. 2nd Semester Examination, 2010**

**GEOGRAPHY**

PAPER—GR - 1201

*Full Marks : 40*

*Time : 2 hours*

*The figures in the right-hand margin indicate marks*

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

*Illustrate the answers wherever necessary*

**UNIT—XIII**

**( Geomorphology -II )**

**GROUP—A**

1. Answer any *one* of the following question : 8 x 1

- ( a ) Explain the geomorphological characteristics of Chhotonagpur Plateau and adjoining areas of West Bengal with special reference to soil-landform association.

( Turn Over )

- (b) Discuss the applicability of geomorphology in environment management planning with special reference to flood plain development.

GROUP—B

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

- (a) Identify the major landforms of Rajasthan Desert and explain the geomorphological processes involved with these landforms.
- (b) Discuss how mass movement processes modify the fluvial landforms of Darjiling Himalaya.
- (c) Describe the geomorphic individuality of coral-fringed coasts of Andaman and Nicobar islands.
- (d) Discuss the scope for application of Geomorphology in hydrological planning on Carst region.

GROUP—C

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

- (a) 'Present is the key to the past.' Explain the concept in Geomorphology.

- (b) Distinguish between progressive change and cyclic change in geomorphology.
- (c) What are the major geomorphological characters of Maharashtra Plateau ?
- (d) What is the major landuse of chenier ridges of Subarnarekha delta ?

UNIT — XIV

( *Geography of Climatological Events* )

1. Answer any *one* from the following : 8 × 1
  - (a) Explain the physical and human variables that determine the impact of storm surge in the event of a tropical cyclone.
  - (b) Discuss the major events of climate change which took place during the Cenozoic era.
  
2. Answer any *two* from the following : 4 × 2
  - (a) 'The subtropical deserts are mostly located in the Western margins of the continents.' Explain the causes of such distribution.

- (b) Describe, with suitable examples, the impact of SST anomaly on global climates.
- (c) What are the probable impacts of recent global warming on agriculture ?
- (d) Briefly account for the hazardous impact of frost.

3. Answer any *two* from the following : 2 × 2

- (a) Why do the Nor-Westers occur during pre-monsoon months.
  - (b) Identify any four characteristics of Savanna climate.
  - (c) How does topography influence local climate ?
  - (d) Why does the ground beneath tree sometimes remain frost-free while open grasslands become white during frosty weather ?
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