

2017

M.A./M.Sc.

2nd Semester Examination

GEOGRAPHY

PAPER—GEO-201

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.

Unit-13

(Environmental Engineering)

[Marks: 20]

Group—A

1. Answer any one from the following questions : 1×8
- (a) Elucidate the mechanism of biological treatment of waste water with illustrations.
 - (b) Explain the techniques of estimating suspended particulate matter and SO₂ in air with suitable illustrations.

(Turn Over)

Group—B

2. Answer any *two* from the following questions : 2×4
- (a) Make a comparative assessment of the composition of waste between developed and developing countries.
 - (b) Assess biophysiological impacts of high intensity noise.
 - (c) Elucidate the importance of Environmental Engineering in environment management.
 - (d) Mention the sources of Arsenic in the Ganga-Brahmaputra deltaic aquifer.

Group—C

3. Answer any *two* from the following questions : 2×2
- (a) Define Hazardous Waste.
 - (b) Name a few hazardous waste generated from households.
 - (c) What do you mean by pyrolysis process.
 - (d) What are the sources of exposure of arsenic to human being ?

Unit-14**(Regional Geomorphology)**

[Marks: 20]

Group—A

1. Answer any *one* from the following question : 1×8
- (a) Attempt a genetic classification of landform features of the Thar desert of Rajasthan.
 - (b) Discuss the soil-land from assemblages of Chhotanagpur Plateau and its adjacent areas with special reference to their geomorphological evolution.

Group—B

2. Answer any *two* questions : 2×4
- (a) Compare the forms of Ganga Delta, Subarnarekha Delta and Godavari Delta along the Bay of Bengal coast.
 - (b) Mention the geomorphological significance of sief dunes and Barkhan dunes of Marusthali (Rajasthan Desert core Area).
 - (c) Discuss the role of tectonics in evolution of the drainage system of the Western Ghats and the Deccan plateau.

- (d) Explain the principal risk factors leading to landslides in the Darjiling Himalaya.

Group—C

3. Answer any *two* questions from the following : 2×2
- (a) What is the principle landuse of the plateau tops Maharashtra ?
 - (b) Enlist the evidences for sea level change in the Godavari delta.
 - (c) What is the meaning of Trap and Inter-Trap in Deccan Plateau ?
 - (d) What is 'chenier' process ?
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