

2018

M.A./M.Sc.

2nd Semester Examination

GEOGRAPHY

PAPER—GEO-201

Subject Code—29

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 question :

1×8

- (a) Elucidate the impacts of arsenic toxicity on human health and state the preventive measures to protect people from arsenic menace.

(Turn Over)

- (b) Explain, with diagrams, the techniques of estimating suspended particulate matter.

Group—B

2. Answer any *two* questions : 2×4
- (a) Explain, with illustration, the mechanism of estimating CO concentration using spectrophotometer.
- (b) How do retention time and turbulence play role in effective operation of a settling tank ?
- (c) Propose possible measures for controlling noise.
- (d) Outline a framework for municipal solid waste management.

Group—C

3. Answer any *two* questions : 2×2
- (a) Define 'activated sludge'.
- (b) Briefly mention the role of East Kolkata Wetland as an oxidation pond.
- (c) Why did ancestral cave dwellers use high intensity round ?
- (d) Define hazardous waste.

Unit-14**(Regional Geomorphology)****[Marks: 20]****Group—A**

1. Answer any one question : 1×8

- (a) Give an account of the various features related with Tectonics and Geomorphology of Andaman group of islands with suitable examples.
- (b) Highlight the geomorphic features of Western Ghats with special reference to Deccan Trap and identify the influences of tectonics in drainage control.

Group—B

2. Answer any two questions : 2×4

- (a) Identify the soil-landform assemblages of Chhotanagpur Plateau.
- (b) Outline the feature of beachridge cheniers of Subarnarekha delta.
- (c) Identify the major geomorphological features of Terai Region with special reference to Alluvial fans.
- (d) Briefly explain the geomorphological characteristics of Darjeeling Himalaya.

Group—C

3. Answer any *two* questions :

2×2

- (a) Mention the features of reef terraces and spifs of Rameswaram island.
 - (b) Why Godavari Delta is erosive along the shoreline ?
 - (c) Identify the role of human induced factors in landslides.
 - (d) What are the characters of Marusthali ?
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