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MGS 453

II Semester M.Sc. Degree Examination, September/October 2022

MARINE GEOLOGY

(CBCS)

Environmental Geology

Time : 3 Hours

Max. Marks : 70

Instruction : Answer ***all*** the questions.

I. Define/State the following :

(10×1=10)

- 1) Surface water bodies
- 2) Hydrologic cycle
- 3) Precipitation
- 4) Epicenter
- 5) Ozone layer
- 6) Landslides
- 7) Estuaries
- 8) Heat waves
- 9) Hydrographs
- 10) Acid rain.

II. Write short notes on **any five** of the following :

(5×4=20)

- 11) Composition of mantle and core.
- 12) Seismic zones of India.
- 13) Causes of landslides.
- 14) Soil Classification.
- 15) Silting of reservoirs.
- 16) Urban heat Islands.
- 17) Volcanic eruption.
- 18) Soil conservation measures.

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III. Answer **any four** of the following :

(4×5=20)

- 19) Enumerate the various types of natural hazards.
- 20) Explain the interior of the Earth with neat diagram.
- 21) What are the main causes of pollution of natural water ?
- 22) Describe the main causes and effects of global warming.
- 23) Describe the factors that affect runoff and stream discharge.
- 24) Explain the chemistry of hard water and soft water.

IV. Answer **any two** of the following :

(2×10=20)

- 25) Discuss the scope, importance and the application of environmental geology. How is it related to human being ?

OR

Explain greenhouse gases and their effects.

- 26) Explain the causes and effects of soil erosion.

OR

Describe the Environmental factors to be considered in selecting site for the construction of dam and reservoirs.
