

020B - Geology Paper-II : Elementary Hydrogeology and Environmental Geology

P. Pages : 1

GUG/S/23/13358

Time : Three Hours



Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat sketches wherever necessary.

1. Describe with neat diagram zonal distribution of ground water.

OR

Give an account of the following:-

- i) Hydrologic cycle
- ii) Cone of depression

2. Give an account of Hydrogeologic characters of sedimentary rocks.

OR

Give an account of the following:-

- i) Ground water provinces of India.
- ii) Concept of watershed management.

3. Give an account of coastal erosion and their impact on environment.

OR

Describe in brief

- i) Desertification
- ii) Soil erosion

4. Discuss the environmental factors considered in the selection of a large dam site.

OR

Write brief notes on the following:-

- i) Natural ecosystems
- ii) Atmosphere

5. Write on the following in not more than two sentences **any ten**.

- a) Runoff
- b) Evapotranspiration.
- c) Influent seepages
- d) Porosity
- e) Permeability
- f) Aquifuge
- g) Volcanic hazard
- h) Black cotton soil
- i) Transported soil
- j) Lithosphere
- k) Major components of Hydrosphere
- l) Abiotic components.
