

M.Sc. (Geology) (CBCS Pattern) Sem-III
PSCGEOT11-2 - Elective : Environmental Geology & Engineering Geology
Paper-III

P. Pages : 2

Time : Three Hours



GUG/W/22/11274

Max. Marks : 80

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

1. Describe the components of environmental Geology.

OR

Write notes on:

- a) Soil pollution.
 - b) Impact of mining on environment.
 - c) Global warming.
 - d) Ice-core.
2. Define earthquake and describe various causes and add a note on effects of the earthquakes.

OR

Write notes on the following:

- a) Human population and the impact on environment.
 - b) Nuclear and waste disposal problems.
 - c) Volcanic hazards.
 - d) Coastal erosion and its causes.
3. Describe various engineering properties of rocks and soil.

OR

Describe the following:

- a) Rock discontinuities.
- b) Scope of geology in civil engineering.
- c) Use of remote sensing in engineering geology.
- d) Scope of geology in mining geology.

4. Describe the preparation and presentation of geotechnical reports.

OR

Write note on the following

- a) Seismic zones of India.
- b) Hydroelectric power project.
- c) Shoreline and airfield engineering.
- d) Seismicity.

5. Describe very short notes on the following-

- a) Role of carbon-dioxide in atmosphere.
- b) Biological domains.
- c) Tsunami.
- d) Environmental legislations.
- e) Physical characters of metals.
- f) Physical characters of building stones.
- g) Core logging.
- h) Core recovery.
