

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

P. Pages : 2

Time : Three Hours



GUG/W/23/11274

Max. Marks : 80

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

1. Write a notes on carbon- dioxide increase & global warming.

OR

Write notes on.

- a) Impact of mining on environment.
- b) Biological domains of environment.
- c) Component of environmental geology.
- d) Soil pollution.

2. Write a note on human population & their impact on environment.

OR

Write note on following.

- a) Volcanic hazards their causes & control.
- b) Geothermal energy.
- c) Waste disposal & related problem.
- d) Solar energy.

3. Write a note on engineering properties of rock & soil.

OR

- a) Metal & concrete aggregates.
- b) Engineering properties of rocks.
- c) Rock discontinuities.
- d) Use of remote sensing in engineering geology.

4. Discuss about Earthquake & seismicity.

OR

Write note on.

- a) Seismic zones of India.
- b) Core logging.
- c) R.Q.D. Analyzer.
- d) Preparation & presentation of geotechnical reports.

5. Write a note on following.

- a) Chemical domains of environment.
- b) Palaeo- temp estimation.
- c) Any two problems of urbanization.
- d) Nuclear energy.
- e) Any two building stones.
- f) Scope of geology in civil engineering.
- g) Seismic designs of building.
- h) Hydroelectric power projects in India.
