

This question paper contains 2 printed pages

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S. No. of question paper : 5750

F

Unique paper Code: 219602

Name of the paper: Environmental Geology (ET - 2)

Name of the course: B.Sc. (Hons.) Geology

Semester: VI

Maximum Marks: 75

Duration: 3 Hours

(Write your roll No. on the top immediately on receipt of this question paper)

Answer any five questions

All questions carry equal marks

1. What do you understand by EIA? Discuss the environmental management planning for mining projects.
2. Give the outline of classification of soils adopted by U.S. soil Survey Division. Also describe the major soil types present in India.
3. Ozone is an excellent example of the chemical-out-of-place definition of a pollutant. Explain, the contrasting effects of ozone in the ozone layer and at ground level.
4. Write notes on any two of the following:
 - (a) Geological reasons of Earthquake
 - (b) Arsenic contamination in water
 - (c) Acid rains

5. Describe common types of air pollutants and their sources in the atmosphere. Also give the adverse health effects of each of them.
6. Write notes on any two of the following:
 - (a) Environmental Degradation
 - (b) Factors responsible for landslide
 - (c) Geological reasons for 2004 Tsunami
7. Discuss the natural distribution, anthropogenic sources, uses and toxicity of the following heavy metals:
 - (i) Arsenic
 - (ii) Lead
 - (iii) Mercury
 - (iv) Nickel
8. Answer any five of the following:
 - (i) Greenhouse Effect and its relationship to modern industrialized society
 - (ii) Chlorofluorocarbons (CFC's)
 - (iii) Fluorosis - a result of water impoundment
 - (iv) Liquefaction
 - (v) Seismic Risk Evaluation
 - (vi) Seismic zonation map of India

B.Sc
Geo. Geology