

[This question paper contains 2 printed pages.]

Sr. No. of Question Paper : 897

E

Your Roll No.....

Unique Paper Code : 219602

Name of the Course : **B.Sc. (Hons.) Geology**

Name of the Paper : Environmental Geology [ET-2]

Semester : VI

Duration : 3 Hours

Maximum Marks : 75

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer any **five** questions.
3. **All** questions carry equal marks.
  
1. Define environmental Geology. Discuss its fundamental concepts.
2. How soils are formed ? Discuss the distribution of lateritic soils in India.
3. Irrigation can, over time cause harmful changes in soil chemistry that reduces crop yields or create toxic conditions in runoff water. Explain briefly.
4. Write notes on any **two** :
  - (a) Seismic zonations in India
  - (b) Health Hazards due to Lead
  - (c) Afforestation
5. Explain various methods of water analysis for physical, chemical and biological parameters.

6. Write notes on any **two** of the following :
- (a) Basic causes of floods
  - (b) Landslide Hazard mapping
  - (c) Kedarnath tragedy
7. Describe the common types of air pollutants and their sources in the atmosphere. Also give the adverse health effects of each of them.
8. Answer any **five** of the following :
- (i) The Kyoto Protocol
  - (ii) Acid precipitation
  - (iii) Depression of water table and its adverse effect in coastal regions
  - (iv) Types and motions of seismic waves
  - (v) Pedogenic Processes
  - (vi) Seismic microzonation map of Delhi