

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1728

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Unique Paper Code : 2182013601

Name of the Paper : Environmental Pollution and Human Health

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

Semester : VI

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **four** questions.
3. **All** questions carry equal marks.

1. (a) Write short notes on the following (2x5)

- i. AQI
- ii. Eutrophication
- iii. Soil salinization
- iv. Radioactive decay
- v. Acid mine drainage

(b) Fill in the blanks (1x5)

- i. Noise intensity is measured in.....
- ii. Radioactive decay follows a characteristic
- iii. Hydrophobic pollutants are also called pollutants.
- iv. Coral reefs are highly sensitive tochanges.
- v. Activated sludge process is used in treatment.

2. Write short notes on any **three** of the following (5x3)

- i. Explain the formation of photochemical smog.
- ii. What are water quality parameters
- iii. Role of chelating agents in pollution
- iv. Explain causes and effects of marine pollution.

P.T.O.

3. (a) Discuss classification of water pollutants. (8)
(b) Briefly discuss the major sources of soil pollution. (7)
4. (a) Describe biotransformation and bioaccumulation with appropriate examples. (8)
(b) Explain the classes of water based on standards given by CPCB. (7)
5. (a) Discuss the effects of primary air pollutants on human health. (10)
(b) Briefly explain how the hydrophilic pollutants can be harmful to humans. (5)
6. (a) Critically analyze the attempts that were made to reduce the Water Pollution in the major rivers of India and suggest the possible solution to address the problem in the long run. (15)