

SI No of QP :5509

Unique Paper Code: 2182013601

Name of the paper: Environmental Pollution and Human Health

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

Semester: VI

Maximum Marks: 60

Duration: 02 Hours

Instructions for Candidate

Answer any **four** questions. All questions carry equal marks.

1. Discuss the health effects of soil pollution and explain methods for soil pollution control with examples. (15 Marks)
2. Explain how the chemistry of environmental pollutants affects human exposure and health outcomes. (15 Marks)
3. (A) Describe the working principles of bioscrubbers and biotrickling filters. (8 Marks)
(B) Discuss the relevance of the Ganga Action Plan in controlling river pollution in India. (7 Marks)
4. (A) Explain the concept and health consequences of indoor air pollution. (8 Marks)
(B) Describe the structure and causes of smog using a case study. (7 Marks)
5. Write short notes on the following (3½×4=14 marks)
(i) Acid mine drainage
(ii) Bioaccumulation
(iii) Mercury contamination in water
(iv) Environmental health risk assessment
6. Write explanatory notes on the following (5×3=15 marks)
(i) PM 2.5 vs PM 10
(ii) VOCs and their health effects
(iii) Radioactive pollution and somatic effects

