

Bachelor of Science (B.Sc. Part – II) (CBCS Pattern) Third Semester  
**USENV T05 – Environmental Science Paper – I Pollution science**

P. Pages : 1

Time : Three Hours



**GUG/W/18/11606**

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Illustrate the answers with suitable diagrams and examples.

1. What is acid rain? Discuss its causes, effects and control measures. **10**  
**OR**
  - a) Enlist sources of air pollution. Give classifications of air pollutants. **5**
  - b) With suitable examples discuss point and non point sources of air pollution. **5**
2. State types of water pollutants. Describe surface and groundwater pollution. **10**  
**OR**
  - a) Explain effects of thermal pollution on environment. **5**
  - b) What are the effects of air pollution on marine life and man? **5**
3. Enlist causes of traffic noise. Describe effects of noise pollution on human beings. **10**  
**OR**
  - a) Give sources of radiation pollution. Enumerate damages caused by radiation. **5**
  - b) Highlight difficulties due to poor illumination and ventilation in work environment. **5**
4. Describe major routes of contamination of soil. **10**  
**OR**
  - a) Explain the process of bioaccumulation of pesticide. Give examples of POP's. **5**
  - b) Comment on – Agricultural practices and mining activities contributes to soil pollution. **5**
5. Answer in brief **any ten.** **1x10**
  - a) Give examples of Criteria Pollutants.
  - b) What is Photochemical Smog?
  - c) PAN is an example of which type of air pollutant.
  - d) Name the disease associated with groundwater nitrate pollution.
  - e) Define thermal pollution.
  - f) What is Ballast water?
  - g) Give the difference between sound and noise.
  - h) Name the units for radiation.
  - i) Which occupational health hazard is associated with vibration?
  - j) Define Soil pollution.
  - k) Which diseases are caused by soil pollutants?
  - l) State the mode of poisoning for pesticide pollution.

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