

B.Sc. (Part-II) (CBCS Pattern) Semester-III  
**USENVT05 - Environmental Science Paper-I - Pollution Science**

P. Pages : 1

Time : Three Hours



**GUG/S/25/11606**

Max. Marks : 50

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

1. Discuss air pollution problems of industries w.r.t. cement and mining industry. 10
- OR**
- a) What is photochemical smog? Explain in brief its effect. 5  
b) Explain the different sources of air pollution. 5
2. Define thermal pollution. What are the sources and effects of thermal pollution on environment? 10
- OR**
- a) Explain how oil pollution affects the marine life. 5  
b) What is surface water pollution? 5
3. Discuss occupational health hazards in mining and cement industries. 10
- OR**
- a) What are the types and sources of radiation pollution? 5  
b) Define noise pollution and describe the different sources of noise pollution. 5
4. Define soil pollution? Discuss the sources and causes of soil pollution. 10
- OR**
- a) What is the impact of industrial pollution on soil? 5  
b) Explain in brief about diseases caused by soil pollution. 5
5. Answer in brief **any ten**. 10
- a) Define acid rain.  
b) Enlist the criteria pollutants.  
c) Define vehicular pollution.  
d) Define thermal pollution.  
e) What is ballast water?  
f) List out the different types of water resources.  
g) Name the unit used for measurement of noise pollution.  
h) Define radiation pollution.  
i) Define occupational health hazards.  
j) Define bio-magnification and bioaccumulation.  
k) What are Persistent Organic Pollutants (POP's)?  
l) Define pesticides pollution.

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