

USENVT07 - Environmental Science Paper-I : Pollution Control Technologies

P. Pages : 1

Time : Three Hours



GUG/W/23/12008

Max. Marks : 50

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

1. Describe in brief the working principle of wet collection devices for particulate pollution control. **10**
- OR**
- a) Discuss atmospheric cleansing process. **5**
b) Briefly explain the method of absorption and adsorption for gaseous pollution control. **5**
2. Describe the principle and process of sedimentation and coagulation. **10**
- OR**
- a) Explain cooling pond and cooling tower for thermal pollution control. **5**
b) Describe the role of genetically engineered microorganisms in oil pollution control. **5**
3. Describe methods for disposal of radioactive waste. **10**
- OR**
- a) Explain types of personal protection equipment's for control of occupational health hazards. **5**
b) Discuss the methods of reducing highway noise. **5**
4. Discuss phytoremediation in detail. **10**
- OR**
- a) Briefly explain the incineration and thermal desorption method for pesticide pollution control. **5**
b) Write a short note on biopesticide. **5**
5. Answer in brief **any ten**. **10**
- a) What is FGD?
b) Give the names of dry collection devices.
c) What is the full form of IPCC?
d) State any two uses of fly ash.
e) Define thermal pollution.
f) What do you mean by ballast water?
g) Mention any two preventive measures from radiation.
h) State the principle of first aid.
i) Write purpose of ventilation in a workplace.
j) State uses of neem pesticides.
k) What is eco- farming?
l) What do you mean by land reclamation?
