

USENVT07 - Environmental Science Paper-I (Pollution Control Technologies)

P. Pages : 2

Time : Three Hours



GUG/S/23/12008

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 working of fabric filters (Bag house filters) with neat sketch. **10**

OR

a) Explain fuel gas desulfurization. **5**

b) Discuss role of IPCC in climate change. **5**

2. Explain principle and process of sedimentation. **10**

OR

a) Briefly explain dissolved and suspended impurities in water. **5**

b) Explain seeding with naturally occurring microorganisms for oil pollution control. **5**

3. Discuss types of personal protective equipment's for control of occupational health hazards.

OR

a) Explain the method to reduce highway noise. **5**

b) How noise can be controlled at source? **5**

4. Describe eco-farming and eco-technology. **10**

OR

a) Briefly explain neem pesticides. **5**

b) Write an explanatory note on phytoremediation. **5**

5. Answer in brief **any ten**. **10**

a) What is MIC?

b) What is ESP?

c) What is Adsorption?

d) What is ballast water?

- e) Write about utilization of fly ash.
- f) Define thermal pollution.
- g) Give the principle of first aid.
- h) State objectives of occupational health hazards.
- i) What is ventilation?
- j) What is the meaning of soil flushing?
- k) How to reclaim degraded land?
- l) What is biopesticide?
