

PMENVT12 - Paper-XII : Air Pollution Control

P. Pages : 1

Time : Three Hours



GUG/W/24/15983

Max. Marks : 80

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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 in detail stationary and mobile sources of air pollution. 16

OR

- a) Describe indoor air pollution due to coils and Aerosol sprays. 8
b) Comment on air quality of major cities of India. 8

2. Explain dust fall jar method for particulate matter sampling. 16

OR

- a) Describe high volume sampler for air sampling. 8
b) Explain classification of gaseous pollutants. 8

3. Describe sampling point selection criteria for circular and rectangular duct for stack monitoring. 16

OR

- a) Explain how wind is responsible for dispersion of air pollution. 8
b) Discuss isokinetic sampling. 8

4. Explain fabric filters and wet collectors for particulate emission control. 16

OR

- a) Describe importance of green belt development around industries. 8
b) Explain condensation and flaring. 8

5. a) Explain the activities responsible for deterioration of urban air quality. 4

b) Describe considerations for air sampling sites. 4

c) Discuss significance of stack monitoring. 4

d) Explain principle of electrostatic precipitator (ESP). 4
