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Register Number:

Name of the Candidate:

P.G.DIPLOMA EXAMINATION, December 2014

(ENVIRONMENTAL MANAGEMENT)

120. AIR POLLUTION MANAGEMENT

Time: Three hours

Maximum: 100 marks

Answer any ONE full question from each unit (5×20=100)

UNIT-I

1. a) Define Clean Air. Explain different sources of Air Pollution. (10)
b) List out the types of air pollutants? Explain briefly about its effect to nature. (10)

(OR)

2. a) Explain briefly about Acid rain and its effect. (10)
b) Explain briefly about the effect of air pollutants on Humans. (10)

UNIT-II

3. a) Describe briefly about different systems of Sampling trains. (10)
b) What are the factors to be considered while locating a sampling site? (10)

(OR)

4. a) Write notes on : (5×2=10)
i) Lapse rates ii) Maximum mixing depth
b) Explain with neat sketch, how the atmospheric condition rises different kinds of plumes. (10)

UNIT-III

5. a) List out the types of equipment for controlling air pollution and with neat sketch explain any one. (10)
b) Write short notes on: (5×2=10)
i) Direct interception ii) Impaction

(OR)

6. a) Explain briefly different types of filters used to control air pollution. (10)
b) Write short notes on Electrostatic precipitations. (10)

UNIT-IV

7. a) What are the different methods to control of gaseous pollutants and explain any one. (10)
b) Differentiate adsorption and absorption. (10)
- (OR)
8. a) Explain with neat sketch about the suitable methods of minimising crank case emission and evaporation emission. (10)
b) Write short notes on: (5×2=10)
i) Sources of indoor air pollution.
ii) Effect of Automobile pollution

UNIT-V

9. a) What do you understand by Emission Standards? (10)
b) Explain the guidelines for siting of industries. (10)
- (OR)
10. a) Write notes on Air Pollution indices. (10)
b) Explain the parameters generally used for calculating Air pollution index. (10)
