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A – 6499

Reg. No. :

Name :

**Fifth Semester B.Tech. Degree Examination, October 2016
(2013 Scheme)**

13.506.10 : ENVIRONMENTAL POLLUTION CONTROL (MP)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions, **2** marks **each**.

1. Define the term environment. What are the types of environment ?
2. What you mean by air-quantity ?
3. List the different types of air pollutants.
4. How the industrial wastes affects water pollution ?
5. What are the chemical methods for water pollution control ?
6. Write a note on kyoto protocol.
7. What are the harmful effects of industrial waste ?
8. Write a note on the collection of solid waste.
9. What are the main pollutants from automobiles ?
10. Write a note on Acid Rain. **(10×2=20 Marks)**

PART – B

Answer **any one** question from **each** Module.

Module – I

11. a) What are the main sources of air pollution ? How the pollutants are harmful to the environment ? **10**
- b) Explain the formation of air pollutants from combustion of fossil fuels. **10**

OR

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12. a) Briefly explain the role of environmental engineer in maintaining environmental quality. 10
b) Explain the various methods for controlling the air pollution. 10

Module – II

13. a) Discuss the main sources of water pollution. 10
b) With the help of a diagram, explain the biological method of water pollution control. 10

OR

14. a) What is a solid waste ? What are the common practices for solid waste disposal ? 10
b) Explain the different types of solid waste. 10

Module – III

15. a) Explain the pollution caused by the industries to the environment. 10
b) Briefly explain the different methods of industrial waste control. 10

OR

16. a) Discuss the effects of pollutants from nuclear power plant to the environment. 10
b) What are the different methods of controlling pollutant by equipment ? Explain any one method in detail. 10

Module – IV

17. a) Explain the effect of pollutants from automobile engine to the environment. 10
b) Explain the constitution and functions of pollution control boards. 10

OR

18. a) Briefly explain the main sources and effects of noise pollution. 10
b) Briefly explain the working of any one exhaust treatment device. 10

(4×20=80 Marks)

