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Reg. No. :

Name :

**Fifth Semester B.Tech. Degree Examination, November 2014
(2008 Scheme)**

08.506.9 : ENVIRONMENTAL POLLUTION CONTROL (MPU)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. What do you mean by Thermal Pollution ?
2. What are the methods to reduce Green House Effect ?
3. Why solid waste disposal by sanitary landfill is an environmental problem ?
4. What are the methods to reduce NO_x emission ?
5. What is a scrubber ? Specify the different types of scrubbers.
6. What is meant by smog ?
7. Write short note on solid waste management.
8. What are the properties of air pollutants ?
9. Write short note on the collection of gaseous air pollutants.
10. What are the methods to remove suspended solids from water ?
11. Which are the common pollutants in IC engine exhaust ?

PART – B

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

Module – I

12. a) Discuss the environmental impacts of hydro-electric and nuclear energy.
b) What is the role of an environmental engineer ?

OR

13. a) What are the effects of air pollution on man ?
b) Write short note on plume behaviour.

P.T.O.

**Module – II**

14. a) What are the different types of water pollutants ? Give examples to each type.
- b) Discuss the various methods of settling for wastewater treatment.

OR

15. a) What is municipal solid waste ? How it can be effectively collect ?
- b) Explain the various methods for the disposal of MSW.

Module – III

16. a) With a neat sketch explain the working of an electrostatic precipitator used for controlling particulate matter emission in industrial installations.
- b) Which are the methods to control gaseous emissions ?

OR

17. a) Explain the working of a three way catalytic converter used in IC engines.
- b) What are the methods of nuclear waste disposal ?
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