

16P120

(Pages:1)

Name:
Reg. No.

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P ES1 C04 – ENVIRONMENTAL POLLUTION AND POLLUTION

ABATEMENT

(Chemistry)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 36 Weightage

I Answer all questions.

1. Define thermal pollution.
2. Explain how acidic deposition takes place?
3. What is electro-smog?
4. What is meant by transboundary air pollution?
5. Explain how SO_x harmful to human beings?
6. Distinguish between turbidity and salinity.
7. What is eutrophication?
8. What is a Wind Rose
9. Write notes on Anaerobic digestion
10. What is meant by Methemoglobinemia
11. What are High volume air samplers
12. What is meant by Biochemical Oxygen Demand
13. Write notes on Recycling
14. Define Sustainability

(14 x 1 = 14 weightage)

II Answer any seven of the following.

15. Explain the heavy metal pollution.
16. Write down the characters of pulp and paper industrial effluents?
17. What are the pollution consequences of PCBs?
18. Explain how green house gases affect climate change?
19. Describe the meteorological factors affecting dispersion of air pollutants.
20. Write notes on ambient air quality standards.
21. Give an account of vertical stability of atmosphere.
22. Write down the characteristics of hazardous wastes.
23. Explain the effects of air pollutants on plants.
24. Discuss the methods for the treatment of sludge.

(7 x 2 = 14 weightage)

III. Answer any two of the following.

25. What are organic air pollutants? How it affects the organisms and ecosystems?
26. Explain the pollution potential of mining and smelting industries.
27. Explain the pollution abatement techniques for management of emissions.
28. Give an account of the techniques for monitoring water quality. **(2 x 4 = 8 weightage)**
