

**19P120A**

(Pages: 2)

Name: .....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019**

(Supplementary/Improvement)

(CUCSS - PG)

**CC15P ES1 C04 – ENVIRONMENTAL POLLUTION AND POLLUTION ABATEMENT**

(Environmental Science)

(2015 to 2018 Admissions)

Time : Three Hours

Maximum : 36 Weightage

I. Answer *all* questions. Each question carries 1 weightage.

1. Transboundary air pollution.
2. Wind rose.
3. Sustainable development.
4. Define recycling.
5. Trickling filters.
6. Oxidation ponds.
7. COD
8. Secondary air pollutants.
9. Beer Lamberts Law.
10. Radionuclides.
11. DALR
12. Green house effect.
13. Chrome tanning.
14. Recalcitrant compounds.

**(14 x 1 = 14 Weightage)**

II. Answer any *seven* questions. Each question carries 2 weightage.

15. Describe the meteorological factors that affecting dispersion of air pollutants.
16. Explain the effects of air pollutants on plants.
17. Write down the characteristics of textile effluents.
18. Write notes on ambient air quality standards.
19. Discuss the policies for controlling water pollution.
20. Write down the characteristics of biomedical waste.
21. Explain the methods for the management of municipal solid wastes.
22. What are organic air pollutants? How it affects the organisms and ecosystems?
23. Write down the measures for the management of dairy effluents.
24. Give an account of agrochemical pollutants and its environmental effects.

**(7 x 2 = 14 Weightage)**

III. Write an essay on any *two* questions. Each question carries 4 weightage.

25. Explain the waste water treatment methods.

26. Give an account of the different techniques for monitoring water quality.

27. Explain the pollution abatement techniques for management of emissions.

28. Give an account of the vertical stability of atmosphere.

**(2 x 4 = 8 Weightage)**

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