

22P120

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ESC1 C04 - ENVIRONMENTAL POLLUTION AND WASTE MANAGEMENT

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. What are the impacts of noise pollution?
2. List out the major air pollutants.
3. What are the effects of acid rain on human health?
4. What is carbonate equilibrium? What happens when carbonate reacts with water?
5. What is the chemical composition of soil?
6. What is CEC of soil? Why is ion exchange important in soil?
7. What is the importance of using organic manure?

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. What are the impacts of mining?
9. What is the role of ozone in the air?
10. Explain the effects of air pollutants on animals.
11. Write notes on persistent organic pollutants.
12. What is turbidity and how it is measured?
13. How does industrial waste contribute to soil pollution?
14. What do you mean by hazardous waste? Discuss the methods for managing hazardous waste.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Write a detailed note on Montreal Protocol.
16. Describe the methods for measurement of particulate matter.
17. Describe the primary, secondary and tertiary processes in wastewater treatment.
18. What are the common solid waste processing technologies? Explain.

(2 × 5 = 10 Weightage)
