

**23P120**

(Pages: 2)

Name: .....

Reg.No: .....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023**

(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 is Electro - smog?
2. How does particulate matter affect human health?
3. What are greenhouse gases?
4. Differentiate TDS and TSS.
5. How do you measure organic carbon in soil?
6. What are the effects of radio nuclides in soil?
7. What are the environmental advantages of recycling?

**(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. What is thermal inversion? What are its causes and effects?
11. What is a redox reaction?
12. Give an account of the secondary treatment of wastewater.
13. What is the structure of a soil? Explain.
14. What are the advantages of vermicomposting over conventional composting?

**(4 × 3 = 12 Weightage)**

### **Part-C**

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

15. Give an account of transboundary air pollution.
16. Explain the pollution abatement techniques for management of emissions.
17. What is hard water? Differentiate temporary and permanent hardness of water. Discuss the disadvantages of hardness. How can it be removed?
18. What is integrated waste management? Explain.

**(2 × 5 = 10 Weightage)**

\*\*\*\*\*