

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PESC1C04 - ENVIRONMENTAL POLLUTION AND WASTE MANAGEMENT

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-AAnswer any ***four*** questions. Each question carries 2 weightage.

1. Write notes on Electromagnetic radiation.
2. How does water vapour affect air pollution?
3. What is meant by adiabatic lapse rate? What does a negative ELR mean?
4. How do metal ions interact with water?
5. Discuss the impact of pedogenesis on the diversity of plants.
6. What are micro pollutants?
7. What do earthworms do with the green garbage?

(4 × 2 = 8 Weightage)**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. What are the impacts of mining?
9. Discuss briefly the formation of secondary air pollutants.
10. Discuss the negative effects of Ozone depletion.
11. Write notes on persistent organic pollutants.
12. How do you analyse heavy metals? Explain.
13. How is soil quality measured?
14. Describe the materials that are recycled and how recycling is accomplished. Differentiate primary and secondary recycling.

(4 × 3 = 12 Weightage)

Part-C

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

15. Write a note on acid rain and its ecological effects.
16. Describe the methods for measurement of gaseous pollutants.
17. Describe the primary, secondary and tertiary processes in wastewater treatment.
18. What are the major problems with placing waste in landfills? How can these problems be managed?

(2 × 5 = 10 Weightage)
