

21P120

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(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. What are organic air pollutants?
3. What is greenhouse effect? Explain.
4. What is atomic absorption spectroscopy? What are its applications?
5. What is the chemical composition of soil?
6. Which are the main types of soil found in Kerala?
7. What are the common waste minimization techniques?

(4 × 2 = 8 Weightage)

Part-B

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

8. What are the impacts of mining?
9. How does CO_x affect air quality?
10. What are wet scrubbers? Write down the advantages and disadvantages of scrubbers.
11. Discuss the solubility of solids, liquids and gases in water.
12. Discuss the methods for treatment of sludge.
13. How do pesticides affect the soil?
14. How does windrow composting work?

(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. Give an account of vertical stability of atmosphere.
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)
