

24P120

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(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. Describe the processes involved in pulp making.
2. How does particulate matter affect human health?
3. How can air pollution be controlled by adsorption? What are the common adsorbents used?
4. What is atomic absorption spectroscopy? What are its applications?
5. What is the process of soil development?
6. How do you measure organic carbon in soil?
7. List the major components of municipal solid waste (MSW).

(4 × 2 = 8 Weightage)

Part-B

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

8. Explain the impacts of light pollution.
9. What are the impacts of SO_x on environment and human health?
10. Explain the effects of air pollutants on plants.
11. What is a redox reaction?
12. Give an account of the secondary treatment of wastewater.
13. Explain the method of estimation of heavy metals.
14. What are the advantages and disadvantages of waste to energy combustion?

(4 × 3 = 12 Weightage)

Part-C

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

15. Explain how greenhouse gases affect climate change.

16. Explain the reactions that lead to the formation of photochemical smog. What are the adverse effects caused by photochemical smog?
17. Give an account of the types and sources of water pollution.
18. Write a detailed note on vermicomposting.

(2 × 5 = 10 Weightage)
