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Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ESC2 C07 - FUNDAMENTALS OF ENVIRONMENTAL ENGINEERING

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Explain the concept of Environmental Engineering.
2. Explain the role of Environmental Engineering in Environmental health.
3. Explain water pollution.
4. Write a short note on landfill bioreactors.
5. Write a short note on electrostatics air pollution control devices.
6. Explain the role of green belt in air pollution control.
7. Discuss noise pollution.

(4 × 2 = 8 Weightage)

Part-B

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

8. Write a short note on ethics in environmental engineering.
9. Explain tertiary waste treatment and different methods with neat diagram.
10. What are the different techniques used in Anaerobic waste water treatment process?
11. What are the characteristics of solid waste?
12. Explain the term pyrolysis. What are the advantages and disadvantages of pyrolysis?
13. Define air pollution and explain the different sources of air pollution.
14. Write a short note on the management techniques for noise pollution control.

(4 × 3 = 12 Weightage)

Part-C

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

15. Write an essay about Treatment schemes for waste water in dairy industry.
16. Explain reduction, reuse and recycling techniques in solid waste management.
17. Define bio-medical wastes and hazardous wastes , explain the different type and sources.
18. Define radiation pollution ,its sources and control measures.

(2 × 5 = 10 Weightage)
