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Name : .....

Reg. No : .....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025**

(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 role of Environmental Engineering in Environmental health.
2. Discuss the role of Industrial ecology for conservation of nature.
3. Explain the importance of artificial wetlands in water pollution control.
4. Define reduction in solid waste management.
5. Define air pollution.
6. Explain the role of green belt in air pollution control.
7. Explain light pollution.

**(4 × 2 = 8 Weightage)**

**Part-B**

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

8. Explain the Concepts and characteristics of environmental engineering.
9. Explain the term reduction and reuse in waste water management.
10. Explain waste water treatment process in tannery industry.
11. Define solid waste and explain its different sources.
12. Explain Legislation on management and handling of municipal solid wastes.
13. Explain the need of air pollution control in respect to human and ecosystem health.
14. Write a short note on the management techniques for light pollution control.

**(4 × 3 = 12 Weightage)**

**Part-C**

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

15. Discuss self-purification of aquatic ecosystem and water quality parameters for testing water purity.

16. Briefly discuss the advantages of different solid waste treatment process.
17. Define landfill and explain the structure with the help of a neat diagram.
18. Define noise pollution, its sources and control measures.

**(2 × 5 = 10 Weightage)**

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