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Name: .....

Reg.No: .....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022**

(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 public health.
2. Explain the concept of Industrial ecology.
3. Define primary water treatment.
4. What are the different sources of solid waste?
5. Define air pollution.
6. Name any four air pollution control instruments used in industry.
7. Explain radiation pollution.

**(4×2 = 8 Weightage)**

**Part-B**

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

8. What are the different applications of environmental engineering?
9. Define bioreactors and its role in waste water treatment.
10. Explain waste water treatment process in sugar industry.
11. Explain the term incineration what are the advantages and disadvantages of incineration.
12. Define municipal solid wastes and its management.
13. Write a short note on industrial air pollution control devices.
14. Differentiate noise pollution and light pollution.

**(4×3 = 12 Weightage)**

### **Part-C**

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

15. Discuss selfpurification of aquatic ecosystem and water quality parameters for testing water purity.
16. Explain reduction, reuse and recycling techniques in solid waste maangement.
17. Write an essay about landfills and its advantages.
18. Write a essay on the management techniques for light and noise pollution control.

**(2 × 5 = 10 Weightage)**

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