

M.Sc ENVIRONMENTAL SCIENCE (MSCENV)

Term-End Examination

June, 2022

**MEV-015 : ENVIRONMENTAL POLLUTION,
CONTROL AND MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

Note : Answer any **ten** questions. Each question carries equal marks.

1. Describe the role of source transport receptor system in pollution studies. 10
2. Explain the influence of weather parameters on air pollutant dispersion. 10
3. Highlight the importance of water quality standards and guidelines. 10
4. What factors determine the soil quality ?
Enumerate the reasons of soil degradation. 2+8=10
5. Write short notes on the following : 5+5=10
 - (a) Radioactive Fallout
 - (b) Radionuclides

6. Discuss briefly the ways to control thermal pollution. 10
7. What is oil spillage ? What are the environmental factors which influence the fate of released oil ? 3+7=10
8. How can noise pollution be controlled at the source of noise generation ? 10
9. Describe in detail the process of sludge management. 10
10. Outline the existing legal framework for the control of noise pollution in India. 10
11. Write a detailed note on the components of Nuclear Power Plant. 10
12. How does cyclonic separator help to control particulate pollutants ? What are the various kinds of cyclone separators ? 6+4=10
13. Explain the physical and chemical characteristics of solid waste. 10
14. Discuss international interventions in Hazardous Waste Management. 10
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