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MEV-015

M. Sc. (ENVIRONMENTAL SCIENCE)

(MSCENV)

Term-End Examination

June, 2023

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

Time : 3 Hours

Maximum Marks : 100

Note : (i) *Attempt any **ten** questions.*

(ii) *All questions carry equal marks.*

1. What are hazardous wastes ? Explain its sources. 5+5
2. Explain the cation exchange and anion exchange properties of the soil. 10

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3. Establish the relationship among energy level, frequency and pitch of noise with the help of suitable illustration. 10
4. Describe the adverse effects of thermal pollution in detail. 10
5. Explain the wet and dry processes of controlling SO₂ emissions. 10
6. Write short notes on the following : 5+5
 - (a) Actuated sludge process
 - (b) Aerated lagoons
7. Identify the sources of water pollution in rural areas and describe them in detail. 10
8. Throw light on the meteorological factors influencing the quality of the environment. 10

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9. Describe the techniques of detecting the radiation intensity. 10
10. Describe the methods of safe disposal of industrial wastes. 10
11. Explain the process of physical and chemical treatment of waste water. 10
12. Write about any *one* case study describing the adverse effects of oil pollution. 10