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MEV-013

M. SC. (ENVIRONMENTAL SCIENCE)

(MSCENV)

Term-End Examination

December, 2025

MEV-013 : ENVIRONMENTAL CHEMISTRY

Time : 3 Hours

Maximum Marks : 100

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

(ii) Each question carries 10 marks.

1. Explain the toxic effects of mercury on the environment and living organisms.
2. Describe the various sources of organic air pollutants.
3. Discuss the effects of photochemical smog.

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4. Describe the mechanism of ozone formation in the lower troposphere.
5. Write a brief note on acid mine drainage with an example.
6. Differentiate flammable liquids and combustible liquids.
7. Describe the principle and instrumentation of a gas liquid chromatography.
8. Write a short note on Bioplastics.
9. Define water quality. Describe the physical properties of water.
10. Explain the role of carbonates in the marine ecosystem.
11. Describe the applications of radioisotopes in environmental monitoring.

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12. What is acid rain ? What are the effects of acid rain on the environment ?
13. Discuss the effects of nitrogen oxides on human health.
14. Describe the greenhouse effect. List the major greenhouse gases.

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