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MEV-011

M. SC. (ENVIRONMENTAL SCIENCE)

(MSCENV)

Term-End Examination

December, 2025

MEV-011 : FUNDAMENTALS OF

ENVIRONMENTAL SCIENCE

AND ECOLOGY

Time : 3 Hours

Maximum Marks : 100

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

(ii) Each question carries 10 marks.

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1. Explain multidisciplinary nature of Environmental Science. Give its scope and importance. 5+5

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2. Give the various types of society and its characteristics. Discuss the impacts of industrialisation and urbanisation on the environment. 5+5
3. Discuss any *five* major environmental issues of present time. 10
4. Discuss the importance of National and International Conventions to conserve environment with suitable examples. 10
5. Explain basic concept of ecology and levels of organisation. 10
6. Define population and discuss the various parameters of population. 10

7. Differentiate between habitat and niche.

Explain keystone species and dominant species. 5+5

8. Explain the stages of hydrosere and lithosere. 5+5

9. Describe major biomes of the world. 10

10. Discuss the structure and function of an ecosystem. 10

11. Write short notes on any *two* of the following : 5+5

(i) Environmental Economics

(ii) Ecosystem services

(iii) Environmental auditing

(iv) Environmental management

12. Explain the importance of Environmental Education (EE) and education for sustainable development. 10
13. Discuss the following with the help of suitable diagrams : 5+5
- (i) Hydrological cycle
 - (ii) Nitrogen cycle
14. Write a note on restoration ecology and habitat restoration. 10

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