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MEV-011

**M. SC. (ENVIRONMENTAL SCIENCE)
(MSCENV)**

Term-End Examination

December, 2022

**MEV-011 : FUNDAMENTALS OF
ENVIRONMENTAL SCIENCE AND ECOLOGY**

Time : 3 Hours

Maximum Marks : 100

***Note :** Answer any **ten** questions. All questions carry equal marks.*

1. Describe structure and functions of various segments of environment. 10

2. Write short notes on any *two* of the following : 5 each
 - (a) Levels of organization in ecology
 - (b) Biotic relationships
 - (c) Climatic and edaphic factors

3. What is succession ? Give general process of succession. 10

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4. What are the impacts of natural resource depletion on the environment ? 10
5. Explain global environmental issues with suitable examples. 10
6. Describe environmental sustainability, its targets and indicators. 10
7. Describe air, water and soil pollution and its impacts on environment. 10
8. Explain food chain, food web and ecological pyramid in an ecosystem. 10
9. Explain nitrogen cycle and carbon cycle with suitable diagrams. 10
10. Describe ecological restoration and various approaches of ecological restorations. 10
11. What is environmental economics ? Describe its significance in environmental valuation. 10
12. What is environmental auditing ? Describe the different steps of environmental auditing. 10

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13. Write a note on environmental education and its significance in solving environmental problems. 10
14. Describe various sustainable ecofriendly technologies for solving environmental problems. 10