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MEV-011

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

Term-End Examination

December, 2023

**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. What is Environmental Science ? Give its scope and importance. 10
2. Discuss the origin of life and impact of human population on the environment. 10
3. Explain soil erosion, land degradation and deforestation. What are their impacts and preventive measures ? 10
4. Explain global warming, climate change and ozone depletion. 10
5. What is environmental sustainability ? Give its target and indicators. 10

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6. What are various types of biotic interactions among organisms of a community ? Explain. 10
7. What are sustainable development goals ? Explain their importance. 5+5
8. Describe ecology and environmental factors. 10
9. What is population ? Explain density dependent and density independent factors. 10
10. What is succession ? Explain its types and process. 10
11. Describe ecological pyramids and nutrient cycling in an ecosystem. 10
12. What is restoration ecology ? Explain its importance in habitat restoration. 10
13. Describe education for sustainable development and environmental education. 10
14. Discuss about environmental policy and management. 10