

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

Term-End Examination

June, 2026

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

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. Discuss the relationship between humans and the environment with suitable examples. 10

2. Explain the composition and vertical structure of atmosphere. 10
3. Explain the factors responsible for degradation of natural resources. 10
4. Write short notes on the following : 5+5
 - (a) Environmental Ethics
 - (b) Lifecycle Assessment
5. Explain the different environmental factors that affect the life of an organism. 10
6. What is population regulation ? Explain the density dependent and density independent factors. 2+8
7. Write short notes on the following : 5+5
 - (a) Ecotone
 - (b) Species diversity

8. What is ecological succession ? Explain the causes and different types of ecological succession. 2+8
9. What are biomes ? Classify the terrestrial biomes and explain the features of different types of terrestrial biomes. 2+2+6
10. Write short notes on the following : 5+5
- (a) Energy flow in an ecosystem
 - (b) Ecosystem productivity
11. Write short notes on the following : 5+5
- (a) Phosphorus cycle
 - (b) Sustainable society
12. What is restoration ecology ? Explain the different approaches to ecological restoration. 2+8

13. What is environmental education ? Explain the significance of environmental education on society. 2+8

14. Write short notes on the following : 5+5

(a) Environmental labels

(b) Intended Nationally Determined Contributions

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