

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

Term-End Examination

June, 2025

**MEVE-14 : BIODIVERSITY CONSERVATION
AND MANAGEMENT**

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. What are ecosystem services ? Explain the ecosystem services provided by biodiversity with examples. 2+8
2. Write short notes on the following : 5+5
 - (a) Tropical forests
 - (b) Agro-ecosystem

3. Explain the salient features of the Biological Diversity Act, 2002. 10
4. What is habitat fragmentation ? Explain the causes and consequences of habitat fragmentation. 2+8
5. Explain the relationship between climate change and biodiversity in detail. 10
6. (a) What are the major differences between background extinction and mass extinction ? 4
- (b) Explain the characteristic features of IUCN threatened categories. 6
7. Write short notes on the following : 5+5
 - (a) Biopiracy
 - (b) Indigenous knowledge system

8. What are biodiversity hotspots ? Explain the characteristic features of biodiversity hotspots in India by mentioning few examples. 2+8
9. What are Protected Areas ? Explain the concept of Global Protected Area Framework. 2+8
10. What is ecosystem degradation ? Explain the causes, effects and solutions to environmental degradation. 2+8
11. What is *In-situ* Conservation ? Explain the different methods of *In-situ* conservation. 2+8
12. Write short notes on the following : 5+5
- (a) Appiko Movement
 - (b) Save Silent Valley Movement

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

(a) Ramsar Convention

(b) Patents

14. Explain the concept and characteristics of ecosystem approach. 10

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