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MEVE-14

M. SC. (ENVIRONMENTAL SCIENCE)

(MSCENV)

Term-End Examination

December, 2024

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

Time : 3 Hours

Maximum Marks : 100

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

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1. Define biodiversity. Explain the different
biodiversity conservation measures in
India. 10

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2. Explain the impacts of human population on biodiversity. 10
3. Write short notes on any *two* of the following : 5+5=10
- (i) Value of biodiversity
 - (ii) Climate change impacts on biodiversity
 - (iii) Importance of biodiversity
4. Explain the types of extinction and IUCN categories of threatened species. 4+6=10
5. Describe selection criteria for hotspots with emphasis on biodiversity hotspots of the world. 10
6. Discuss global protected area framework and classification of protected areas. 5+5=10

7. What is ecosystem services ? Describe Payment for Ecosystem Services (PES), principles, types and scales. 10
8. What is ecological restoration ? Describe its need and approaches. 5+5=10
9. Differentiate between *in-situ* and *ex-situ* conservation with suitable examples. 10
10. Describe various social approaches to biodiversity conservation. 10
11. Explain any *five* International Biodiversity Conventions. 10
12. Describe Biological Diversity Act, 2002 and National Biodiversity Strategy and Action Plan. 5+5=10

13. Discuss the principles and application of ecosystem approach for biodiversity conservation. 10
14. Describe the importance of traditional knowledge and cultural practices in biodiversity conservation. 10

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