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MEVE-14

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

Term-End Examination

June, 2023

**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 is Biodiversity ? Describe the types and measures of biodiversity. 2+8
2. Explain the economic, ecological, social, aesthetical and ethical values of biodiversity. 10
3. What is Ecosystem Diversity ? Describe major ecosystems of the world from biodiversity point of view. 2+8

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4. Describe the estimation of biodiversity. How is it measured ? 5+5
5. Highlight the major causes leading to extreme decline in biodiversity across the world. 10
6. What are ecosystem services ? Discuss the interlinkages between ecosystem services and biodiversity loss. 2+8
7. What do you mean by extinction of biodiversity ? Give IUCN categories of threatened species. 5+5
8. Explain bioprospecting and indigenous knowledge system. 5+5
9. Define biodiversity hotspots. Describe their importance in conservation of biodiversity. 2+8
10. Describe the role of communities in conservation and management of biodiversity. Give suitable examples. 10
11. What are protected areas ? Give a detailed account of protected areas of India. 2+8

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12. What is *ex-situ* conservation of biodiversity ?
Describe some methods of biodiversity
conservation through *ex-situ* conservation. 2+8
13. Discuss any *three* peoples' movement for
conservation of biodiversity. 10
14. Explain the ecosystem approach of biodiversity
management. 10