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MEVE-014

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

Term-End Examination

June, 2022

**MEVE-014 : BIODIVERSITY CONSERVATION AND
MANAGEMENT**

Time : 3 Hours

Maximum Marks : 100

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

1. What is biodiversity ? Why biodiversity is important for us ? 10
2. What are the major drivers of biodiversity loss ? 10
3. Write short notes on any *two* of the following : $2 \times 5 = 10$
 - (i) Urban biodiversity
 - (ii) Agrobiodiversity
 - (iii) Major biomes
 - (iv) Measures of biodiversity

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4. What are ecosystem services ? How loss of biodiversity will affect ecosystem services ? 10
5. What is extinction of biodiversity ? Elaborate your answer with suitable case study/examples. 10
6. Describe the role of biodiversity prospecting and indigenous knowledge system in biodiversity conservation and management. 10
7. Explain characteristics and principles of biodiversity management through ecosystem approach. 10
8. Describe various International laws and policies for conservation and management of biodiversity. 10
9. What are biodiversity hotspots ? How do biodiversity hotspots help in conservation and management of biodiversity ? 10
10. Define *ex-situ* conservation and *in-situ* conservation. Describe their role in biodiversity conservation. 10

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11. Write short notes on any *four* of the following :

$$4 \times 2 \frac{1}{2} = 10$$

- (i) IUCN Red List
 - (ii) Conservation biology
 - (iii) Community biodiversity register
 - (iv) Biodiversity estimation
 - (v) Approaches to ecosystem restoration
12. Describe the role of peoples movement in biodiversity conservation. 10
13. Explain the social approaches to biodiversity conservation. 10
14. Give a detailed account of Indian biodiversity status and conservation projects. 10