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MSD-022

**MASTER OF ARTS IN
SUSTAINABILITY SCIENCE
(MASS)**

Term-End Examination

December, 2025

MSD-022 : AQUATIC ECOSYSTEM

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the salient features of Convention on the Conservation of Migratory Species of Wild Animals. 10
2. Write short notes on the following : 5+5
 - (a) CITES
 - (b) SDG-15 : Life on land
3. Discuss the efforts of Government of India in conserving aquatic ecosystem. 10

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4. Explain the strategies to sustainably manage the marine ecosystem. 10
5. What are wetlands ? Explain the ecosystem services provided by the wetlands. 2+8
6. Write short notes on the following : 5+5
 - (a) Sustainable Fisheries
 - (b) Farming in Wetland Ecosystem
7. Classify the aquatic organism based on their habitat zone. Explain the factors affecting aquatic habitat productivity. 10
8. Define Lake Ecosystem. Explain the biotic structure in the lake ecosystem. 2+8
9. Write short notes on the following : 5+5
 - (a) Types of Drainage System
 - (b) Climate Change Mitigation
10. Explain the processes involved in stream flow. 10
11. Explain the key features of Integrated Ocean Management. 10

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

(a) Coral reefs

(b) Estuarine region

13. Explain the measures for remediation of
degraded coastal ecosystem. 10

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

(a) Ocean Biota

(b) Climate Smart Agriculture

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