

No. of Printed Pages : 3

**MSD-022**

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

**Term-End Examination  
December, 2025**

**MSD-022 : AQUATIC ECOSYSTEM**

*Time : 3 Hours*

*Maximum Marks : 100*

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

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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

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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