

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

Term-End Examination

December, 2024

MSD–021 : MOUNTAIN AND HILL ECOSYSTEM

Time : 3 Hours

Maximum Marks : 100

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

1. What are the major criteria for the classification of mountains ? Explain. 10
2. Who are considered as 'Tribes' and what are their distinctiveness ? 4+6
3. Explain the different zones of river system in upstream-downstream linkages. 10
4. Write short notes on the following : 5+5
 - (a) Taungya system of cultivation
 - (b) Shifting cultivation

5. Write a note on agro-forestry as conservation measures in Indian Himalayan region. 10
6. Explain the role of animal husbandry in sustainable mountain livelihood system. 10
7. What are the major threats to mountain ecosystem ? Explain any *two*. 4+6
8. Write a note on the interlinkages between the social indicators and sustainable mountain development. 10
9. Write notes on the following : 5+5
 - (a) Ramsar Convention
 - (b) CITES
10. Explain in detail on any *two* Post-Rio Conventions related to SDGs. 5+5
11. “Mountain ecosystems hold immense importance for human communities.” Justify with suitable examples. 10
12. Define Ecological Monitoring. What are its key objectives ? 4+6

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