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**MSD-021**

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

**Term-End Examination**

**June, 2025**

**MSD-021 : MOUNTAIN AND HILL ECOSYSTEM**

*Time : 3 Hours*

*Maximum Marks : 100*

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*Note : (i) Attempt any ten questions.*

*(ii) All questions carry equal marks.*

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1. Write a note on the significance of mountains. 10
2. What is Local and Indigenous Knowledge System ? Explain its major features. 5+5
3. Discuss the major issues and challenges in conserving mountain biodiversity. 10

4. What are the major zones of river system in understanding the upstream-downstream relationship ? 10
5. Write the basic components and attributes of agroforestry system. 10
6. Write a note on cash crops of Indian Himalayan region. 10
7. Explain the role of medicinal and aromatic plants in improving livelihoods of mountainous regions in India. 10
8. Elucidate the rules of ecotourism and cultural tourism in improving the local economy of the Himalayan region. 10
9. Write an essay on State Disaster Management Plan. 10
10. Explain the role of technology in sustainable development of mountain region. 10
11. Critically discuss the concept of 'Cultural Heritage' as defined by World Heritage Convention. 10
12. Define the term 'Ecological Monitoring'. Explain the different monitoring tools of OPEN Foris. 4+6

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