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MSD-021

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

**Term-End Examination
December, 2023**

MSD-021 : MOUNTAIN AND HILL ECOSYSTEM

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the significance of mountains to human communities. 10
2. Write short notes on the following : 5+5
 - (a) Convention No. 169
 - (b) Forest Rights Act, 2006
3. What is Folklore ? What are its major features ? 4+6
4. Do you agree that climate change has huge impact on mountain biodiversity ? Explain. 10

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5. What are the environmental and economic benefits of Agroforestry ? 5+5
6. Write a note on unsustainable harvesting of natural resources in the mountain regions and their implications. 10
7. What are the major impacts of climate change on mountain ecosystems ? Discuss with suitable examples. 10
8. Write notes on Sendai Framework and Paris Agreement on climate change. 5+5
9. Explain about the global networks focusing sustainable development with suitable examples. 10
10. What are the key principles of International Environment Agreement ? Explain any *two*. 10
11. How does Agenda-21 ensure integrated watershed development ? Explain. 10
12. What are the key steps in an ecological monitoring programme ? Elaborate with suitable examples. 10