

**POST GRADUATE DIPLOMA IN
SUSTAINABILITY SCIENCE (PGDSS)**

Term-End Examination

December, 2024

MSD-011 : SUSTAINABILITY SCIENCE

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the inter-relationship between population and resources from sustainability point of view. 10
2. Discuss sustainable development and its principles and dimensions. 10
3. How materialism brings the threat to global sustainability ? Explain with suitable examples. 8+2

4. What is sustainable rural livelihood ? Explain the role of traditional knowledge in empowering local communities. 5+5
5. Describe Abraham Maslow's hierarchy of needs and related approach and human scale development approach. 10
6. Describe the goals and basic structure of Sustainability Science in detail. 10
7. What is sustainable livelihood security index ? Explain giving an example of an Indian case study. 6+4
8. Explain the role of policy and planning and public participation in sustainable development. 10
9. What are the causes of depletion of natural resources ? Describe approaches applied for natural resource management. 5+5
10. Define watershed management. Give an account of approaches to watershed management. 2+8

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11. Explain how changing lifestyle and use of technology is affecting the sustainability of earth. 10
12. Describe environmental ethics, environmental awareness and eco-philosophy in the context of sustainability. 10
13. Describe the challenges of sustainable development in India and discuss its implications. 10

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