

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

Term-End Examination

June, 2025

MSD-011 : SUSTAINABILITY SCIENCE

Time : 3 Hours

Maximum Marks : 100

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

1. What is sustainable development ? Explain its nature and genesis. 5+5=10
2. How do human population and climate change impact sustainable development ? 5+5=10
3. Write short notes on the following : 5+5=10
 - (i) Human scale development approach
 - (ii) Maslow's 8-stage hierarchy of needs

4. What is Sustainability Science ? Describe central elements of Sustainability Science.
5+5=10
5. Explain sustainability livelihood security, its conceptual and casual linkages. 10
6. Define human resource development. Explain the need of human resource development for sustainability. 3+7=10
7. Describe Environmental Education (EE) and Education for Sustainable Development (ESD), its need and relevance in the present scenario. 10
8. Write a note on Environmental Ethics and Ecophysiology. 5+5=10
9. What is natural resource management ? Discuss various approaches of natural resource management. 3+7=10
10. Explain the concept, principles and methods of studying landscape ecology. 10

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11. Examine the role of interpersonal communication tools and media tools for effective utilization of communication. 10
12. Describe the salient features of technology that are required for achieving sustainability. 10
13. What is sustainable lifestyle ? Examine its implication for sustainability. 10
14. Explain sustainability indicators and their relevance. 10

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