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MSD-011

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

Term-End Examination

December, 2025

MSD-011 : SUSTAINABILITY SCIENCE

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. Define sustainable development. Discuss the relationship among environment, society and economy. 5+5
2. Write short notes on the following : 5+5
 - (i) Brundtland report
 - (ii) Intra and Intergenerational equity

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3. Discuss any *five* challenges to sustainable development. 10
4. Explain eco-enterprises and biodiversity based livelihood approach in the context of sustainable livelihood. 10
5. What is Engle Coefficient ? Describe sustainability hierarchy. 3+7
6. Discuss the importance of sustainability science as a discipline. Describe the goals and structure of sustainability science. 5+5
7. Analyse the relevance of existing indicators of sustainability science. 10
8. Write notes on human development index and gross national index and their importance for sustainability. 5+5
9. Give a detailed account of environmental education and education for sustainable development in India and the world. 10
10. What is sustainable technology ? Explain the constraints in adopting sustainable technology. 2+8

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11. Describe natural resources and discuss the various approaches of natural resource management. 10
12. What is landscape ecology ? Describe the factors affecting changes on landscape diversity. 5+5
13. Explain the concepts of watershed management and various approaches for watershed management. 10
14. Describe participatory development communication and approaches for planning and implementing communication strategies. 5+5

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