

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

Term-End Examination

June, 2025

**MSD-012 : ECOSYSTEM AND NATURAL
RESOURCES**

Time : 3 Hours

Maximum Marks : 100

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

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1. Explain the flow of carbon fluxes in terrestrial ecosystem. 10
 2. What are the major causes of human-wildlife conflicts in India ? Explain. 10
 3. Write short notes on the following : 5+5
 - (a) Convention of Biological Diversity
 - (b) Biosphere Reserves

4. Explain any *two* ways of sustainable land management and its challenges in India. 10
5. Write an essay on global water distribution and its availability. 10
6. Comment on the opportunity and conflicts of transboundary water sharing in India. 10
7. Discuss the issues of resource exploitation, resource right and resource flow in India. 10
8. Write short notes on the following : 5+5
 - (a) Wind energy
 - (b) Restoration of mine
9. Explain the concept of earth-wisdom society based on energy flow and matter recycling with suitable examples. 10
10. What is agrobiodiversity ? Discuss the role of agrobiodiversity in sustainable agriculture. 2+8

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11. Discuss any *two* major concerns on the effects of agriculture on agrobiodiversity. 10
12. Explain the role of women, traditional knowledge and participatory breeding in the conservation of agrobiodiversity. 10

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