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MSD-017

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

Term-End Examination

December, 2025

**MSD-017 : CHALLENGES TO SUSTAINABLE
DEVELOPMENT**

Time : 3 Hours

Maximum Marks : 100

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

1. What is Biopiracy ? Explain biopiracy of traditional knowledge in India with suitable examples. 10
2. What is Vulnerability ? Explain the measure to enhance resilience and reduce vulnerability to disasters. 10

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3. What is Desertification ? Explain the causes and impacts of desertification. 10
4. What is Human Development ? Discuss the issues of poverty, health and nutrition situation in India. 10
5. Explain the environmental health risks associated with poor sanitation. 10
6. Write short notes on the following : 5+5
 - (a) Vector-borne diseases
 - (b) Deforestation
7. Write short notes on the following : 5+5
 - (a) Dimensions of Health
 - (b) Land Degradation
8. Explain the salient features of National Action Plan on Climate Change. 10
9. Explain the impacts of climate change on forest resources. 10
10. Explain the ecological and physiological vulnerability of agriculture to climate change. 10

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11. Write short notes on the following : 5+5
 - (a) Sustainable Solid Waste Management
 - (b) Health impacts of Noise Pollution
12. What is Urban Sprawl ? Explain the socio-economic and environmental impacts of urbanization. 10
13. Write short notes on the following : 5+5
 - (a) Algal Biofuel
 - (b) Hydrogen Fuel
14. Write short notes on the following : 5+5
 - (a) Carrying Capacity
 - (b) Ecological Footprint

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