

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

**Term-End Examination**

**June, 2025**

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

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** Attempt any *ten* questions. Each question carries equal marks.

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1. Explain how climate change threatens sustainable development. 10
  2. What is Sustainable Natural Resource Management ? Explain the strategies to revive and sustain natural resources. 2+8
  3. Write short notes on the following : 5+5=10
    - (a) Food Security
    - (b) Climate Change and Human Conflict

4. What is adaptation ? Explain the role of state and civil society in climate change adaptation and mitigation. 2+8
5. What is energy crisis ? Explain the alternative source of energy with suitable examples. 10
6. What is urbanization ? Explain how urbanization increases the demand for resources. 10
7. Write short notes on the following : 5+5=10
  - (a) Health impacts of indoor air pollution
  - (b) Groundwater pollution
8. Write short notes on the following : 5+5=10
  - (a) National Air Quality Monitoring Programme
  - (b) National Water Quality Monitoring Programme
9. Explain how environmental health influences sustainable development. 10

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10. What is sanitation ? Explain the types and importance of sanitation in promoting sustainable development. 2+8
11. What is health hazard ? Explain the types and effects of health hazards. 10
12. What is land degradation ? Explain the causes and impacts of land degradation. 10
13. Explain the measures to mitigate desertification. 10
14. What is disaster management ? Explain the various phases of disaster management. 10

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