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**MSD-011**

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

**Term-End Examination**

**December, 2023**

**MSD-011 : SUSTAINABILITY SCIENCE**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** *Attempt any **ten** questions. Each question carries 10 marks.*

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1. Write short notes on any **two** of the following :

5×2=10

(i) Resources and limit to growth

(ii) Pillars of sustainable development

(iii) Brundtland Report

2. Give a detailed account of anthropogenic pressures that are affecting the sustainable development. 10

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3. What is evergreen revolution ? Describe its components in detail. 5+5=10
4. Write a note on causes of depletion of natural resource and approaches to conserve them. 5+5=10
5. What are the basic principles of landscape ecology ? Mention the factors that affect changes on landscape diversity. 5+5=10
6. Write the major objectives of watershed management. What are the major challenges in sustainable watershed management ? 5+5=10
7. Describe public participation and tools for the effective utilization of communication. 10
8. Write notes on human development index and gross national happiness index with suitable examples. 10
9. 'Lifestyle change is necessary for sustainable development.' Give your view on this. 10
10. Discuss the role of environmental education in achieving the goals of sustainable development. 10

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11. What is green technology ? Discuss the role of green technology in sustainable development. 10
12. Illustrate levels of sustainable hierarchy and justify its need for intergenerational equity. 10
13. Describe the goals and structure of 'Sustainability Science'. 10
14. Give a detailed account of sustainability indicators with suitable examples. 10