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**MSD-011**

**POST GRADUATE DIPLOMA IN  
SUSTAINABILITY SCIENCE**

**(PGDSS)**

**Term-End Examination**

**June, 2024**

**MSD-011 : SUSTAINABILITY SCIENCE**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** Candidates are required to attempt any *ten* questions. All questions carry equal marks.

1. Explain the concept of sustainable development according to the definition of WCED. 10
2. Explain the concept of inter and intra generational equity with suitable examples. 10
3. Why climate change is one of the key issues in sustainable development ? Explain. 10
4. What is green revolution ? Why there is a need for shifting to evergreen revolution. 2+8

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5. Describe the relationship between human needs, natural resources and functioning of ecological systems. 10
6. Explain genesis and evolution of sustainability science. Describe its central elements. 5+5
7. Describe indicators of sustainability in detail. 10
8. What is natural resource management ? Explain approaches to natural resource management ? 4+6
9. Define landscape ecology. Describe factors affecting changes on landscape diversity. 2+8
10. Describe the approaches for watershed management in detail. 10
11. What is Human Development Index and Gross National Happiness Index. Explain. 5+5
12. Throw light on the current scenario of environmental education in India. 10
13. What is sustainable technology ? Describe how technology can play a significant role in achieving sustainability. 2+8
14. Explain ecofriendly life style and throw light on role in fostering sustainability. 4+6

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**P.T.O.**