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**MSD-012**

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

**Term-End Examination**

**June, 2024**

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

*Time : 3 Hours*

*Maximum Marks : 100*

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

1. Discuss the different components of ecosystem with examples. 10
2. Define the term 'Biodiversity Hot Spots' Briefly discuss any *two* biodiversity HotSpots of India. 10
3. What are the different ways of management of soil fertility ? Explain. 10
4. Explain the impacts of climate change on biodiversity specially in India. 10
5. What are the major impacts of mining on the environment. 10

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6. Write the benefits and limitations of solar energy as alternative source of energy. 10
7. Differentiate between biodiversity and agro-biodiversity ? How agro-biodiversity is important for the sustainability of agriculture ? 4+10
8. Discuss the path Earth-Wisdom society with suitable examples. 10
9. What is 'Land Use' ? Briefly explain the land-use classification in India. 2+8
10. Elaborate the impacts of Green revolution on agrobiodiversity. 10
11. What are India's major initiatives for agrobiodiversity conservation ? Discuss in brief. 10
12. Explain the principle of Maximum sustainable Yield' with suitable examples.
13. What are the major ecological implication of global rainfall pattern ? Explain in brief. 10
14. Describe the ecological structure of a river ecosystem. 10

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