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MSD-012

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

Term-End Examination

June, 2020

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

Time : 3 Hours

Maximum Marks : 100

*Note : (i) Attempt any ten questions in about
500 words.*

(ii) All questions carry equal marks.

1. Describe the types of energy resources and the concept of renewability. 10
2. Explain the various components of an ecosystem. 10
3. Discuss the uses and importance of biodiversity. 10

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4. Discuss the factors leading to biodiversity loss.
Why is biodiversity loss a concern ? 10
5. Describe the process involved in the hydrological cycle with a diagram. 10
6. Explain the effects of organic agriculture and genetically modified crops on Agrobiodiversity. 10
7. Discuss the causes of water pollution and its impacts on the environment. 10
8. Describe soil profile and soil structure. 10
9. What are the types of wastes generated by mining and processing of ores ? 10
10. Describe the approaches for energy conservation. 10
11. Discuss in-situ conservation strategies in biological diversity. 10
12. Discuss the various international efforts to conserve water and protect its quality. 10