

00131

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

Term-End Examination

December, 2018

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

Time : 3 hours

Maximum Marks : 100

- Note :*
- (i) Attempt any ten questions in about 500 words.*
 - (ii) All question carries equal marks.*

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1. Explain the flow of matter and energy in an ecosystem. 10
 2. Discuss the three levels of biodiversity with suitable example. 10
 3. Explain different categories of soil types in India. 10
 4. Define Hydrological Cycle. Explain different processes involved. 2+8
 5. Discuss the spatio-temporal fluctuation of water consumption pattern. 10
 6. Briefly explain the role of traditional farmer's in conservation of agrobiodiversity in India. 10
 7. Discuss the impact of Green Revolution on the loss of Agrobiodiversity in India. 10

8. How do organic agriculture and Genetically modified organisms affect Agrobiodiversity of a region or country ? 10
 9. Discuss the different policy and institutional framework for agrobiodiversity conservation in India. 10
 10. Define supporting capacity and assimilative capacity of natural resources with suitable examples. 5+5
 11. Enumerate different types of Energy resources on the basis of availability and exploitation. 10
 12. What are the major impacts of mining on the Environment ? 10
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