

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

Term-End Examination

June, 2018

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

Time : 3 hours

Maximum Marks : 100

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- Note :** (i) *Attempt any ten questions in about 500 words each.*
- (ii) *Each question carries equal marks.*
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1. What is Food Chain ? With proper diagram, explain the food chain system in terrestrial ecosystem. 2+8
2. Define Ecosystem services. Describe different ecological services provided by Forest ecosystem. 2+8
3. What is IUCN Red List ? Enumerate different categories of IUCN Red List species. 2+8
4. What do you understand by biodiversity conservation ? Explain two major approaches for biodiversity conservation. 3+7
5. Define the term 'Sustainable Land Management' (SLM). Briefly explain the different processes of Integrated Land Management. 2+8

6. What is 'Soil' ? What are the different processes of soil formation ? 2+8
 7. Discuss the distribution and availability of global water resources. 10
 8. Explain the value of natural resources as five E's. 10
 9. What is biofuel ? How is biomass converted into biofuel ? 2+8
 10. Explain the different types of waste generated by the different mining steps. 10
 11. Explain Agrobiodiversity. What are the major impacts of climate change on agrobiodiversity ? 5+5
 12. How does globalization affect the agrobiodiversity of a region ? Explain with suitable example. 10
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