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MSD-014

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

Term-End Examination

June, 2023

MSD-014 : ECOLOGICAL ECONOMICS

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the views of Malthus on the growth of population with suitable examples. 10
2. Illustrate the laws of thermodynamics through the entropy hourglass. 10
3. Define the term 'Ecological Scarcity'. Explain with suitable examples. 3+7

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4. What is 'Carrying Capacity' ? Explain the finite global ecosystem relative to the economic subsystem. 3+7
5. Explain Environmental Kuznet Hypothesis with suitable example. 10
6. Explain briefly the bioeconomic model of renewable resources and its limitations. 5+5
7. Write an essay on Ecosystem Services. 10
8. What is 'Fragile Ecosystem' ? Explain the linkages between environmental degradation and poverty in any of the fragile ecosystem of India. 3+7
9. What are various urban environmental pollution problems in India ? Explain with suitable examples. 10

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10. Write an essay on the issues of common pool resources in India. 10
11. Explain any *two* of the following : 5+5
- (a) Market price method
 - (b) Travel cost method
 - (c) Contingent valuation method
12. What is Carbon Market ? What are the advantages of International Carbon trading ? 4+6
13. Discuss the issues and challenges of Green Accounting. 10