

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

Term-End Examination

June, 2022

MSD-014 : ECOLOGICAL ECONOMICS

Time : 3 hours

Maximum Marks : 100

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

1. (a) Define Environmental Economics. 3
- (b) State the 'Population Doctrine' proposed by Malthus. 4
- (c) What is Entropy? 3
2. Explain any **two** of the following terms : 5+5
- (a) Land Degradation
- (b) Global Warming
- (c) Demographic Transition Model

3. (a) Write a short note on Resource Curse Hypothesis. 5
- (b) What is Environmental Kuznets Curve ? 5
4. How do economists define Renewable and Non-renewable resources ? Explain. 10
5. (a) Briefly explain the concept of non-rival resource, with suitable examples. 5
- (b) What is waste absorption capacity ? Explain. 5
6. (a) Define market. 2
- (b) What is market efficiency ? Briefly explain how the market functions. 2+6
7. What is Co-evolutionary Economics ? How did humans adapt in co-evolutionary process from Hunter-gatherers to Energy slaves ? 4+6
8. What is Air Pollution ? Briefly explain the economic impact of air pollution in urban areas. 3+7
9. Define Ecofeminism. Discuss the limitations of ecofeminism as argued by the critics. 3+7

- 10.** What do you mean by Total Economic Values of ecosystem services ? Explain the term Option Value, with suitable examples. 5+5
- 11.** Define the following terms : $4 \times 2 \frac{1}{2} = 10$
- (a) Taxes
 - (b) Emission Trading
 - (c) Compensatory Incentives
 - (d) Tradable Permits
- 12.** (a) Explain the term 'Gross National Product'. 5
- (b) What are the limitations of Green Accounting in India ? 5
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