

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

**Term-End Examination
December, 2022**

MSD-014 : ECOLOGICAL ECONOMICS

Time : 3 Hours

Maximum Marks : 100

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

1. Define the following terms : $2\frac{1}{2}$ each
 - (a) Gross Domestic Product
 - (b) Eternality
 - (c) Excludable resource
 - (d) Rival resource

2. Develop a conceptual framework of the environment economy linkages model and explain the different components of the framework. 10

3. Explain the following terms with suitable examples : 10
- (a) Stock flow resource
 - (b) Non-rival resource
4. Differentiate between Pollution Haven Hypothesis (PHH) and Factor Endowment Hypothesis (FEH). 10
5. What is Living Planet Index ? Discuss the status of living planet index of different regions of the world. 3+7
6. Define environmental degradation. Describe different causes of wetland losses in India. 4+6
7. What are different factors that lead to the deterioration of Common Pool Resources (CPR) in India ? Explain them. 10
8. Discuss the role of gender in biodiversity conservation and preservation of traditional knowledge in India. 5+5
9. (a) Briefly explain different kinds of non-use value of ecosystem services. 5
- (b) What is market price method ? Explain it.

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10. Describe various policy instruments for protection and sustaining ecological resources. 10
11. Explain any *two* of the following : 5+5
- (a) Clean Development Mechanism
 - (b) Carbon trading
 - (c) Kyoto Protocol
12. What is Green Accounting ? What are its issues and challenges ? 5+5