

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

Term-End Examination

00099

December, 2014

MSD-014 : ECOLOGICAL ECONOMICS

Time : 3 hours

Maximum Marks : 100

Note : Answer *all* questions as per the instructions given in each question.

1. Attempt any **ten** questions. Answer the following questions in about 100 words each. Each question carries 2 marks. $10 \times 2 = 20$
- (i) What are the three ways to increase the profit, according to Karl Marx ?
 - (ii) Explain the differences between 'stock-flow resources' and 'fund-service resources'.
 - (iii) What are the four stages in the demographic transition model ?
 - (iv) Explain IPAT.
 - (v) Explain the concept of 'non-revival resource'.
 - (vi) What are the two basic components of 'Marginal Social Cost' ? Define them.

- (vii) Define Global Living Planet Index.
- (viii) What are the major reasons for wetland losses in India ?
- (ix) Write a brief note on non-point source of water pollution in agriculture.
- (x) What is CPRs ? What are its major contributions in rural economy ?
- (xi) What is Chipko movement ? How was it started ?
- (xii) What is non-use value of ecosystem ? Give an example.
- (xiii) What is Polluter Pays Principle ? Explain with a suitable example.
- (xiv) Explain the concept of Emission trading.
- (xv) How is GNP different from GDP ?

2. Attempt any **eight** questions. Write short notes on the following in about 300 words each. Each question carries 5 marks.

8×5=40

- (i) Resource Curse Hypothesis
- (ii) Maximum Sustainable Yield
- (iii) Economies of Waste Generation
- (iv) Factor Endowment Hypothesis
- (v) Ecological Footprint
- (vi) LM Curve

- (vii) Poverty and Environmental Degradation
- (viii) Urban Air Pollution
- (ix) Market Price Method
- (x) Travel Cost Method
- (xi) Kyoto Protocol
- (xii) Pollution Expenditure Accounting

3. Attempt any **four** questions. Answer the following questions in about 500 words each. Each question carries 10 marks. $4 \times 10 = 40$

- (i) Briefly discuss the Environment-Economy Model.
 - (ii) Write an essay on the trend of Global and Regional ecological footprints.
 - (iii) Write an essay on 'women's pro-environmental attitude across the globe'.
 - (iv) Why is there a need for valuing ecosystem services ? Discuss its significance.
 - (v) Briefly discuss the issues and challenges of Green Accounting.
 - (vi) Write an essay on 'Carbon trading and tradable permits'.
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