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**MSD-014**

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

**Term-End Examination**

**December, 2021**

**MSD-014 : ECOLOGICAL ECONOMICS**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** (i) Attempt any **ten** questions.

(ii) All questions carry equal marks.

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|--|-------|
| 1. Explain the conceptual framework model of the linkages between environment-economy.         | 10    |
| 2. Briefly illustrate the concept of the laws of thermodynamics through the entropy hourglass. | 10    |
| 3. What do you mean by indicators of scale and carrying capacity ? Explain.                    | 10    |
| 4. Discuss the relationship between economic growth and health of ecosystem.                   | 10    |
| 5. Elaborate the limitations of steady-state bio-economic model.                               | 10    |
| 6. Explain the difference between stock-flow and find-service resources.                       | 10    |
| 7. Explain different components of economy's capital stock.                                    | 10    |
| 8. Explain any <b>two</b> of the following terms : 5 each                                      |       |
| (a) The Living Planet Index  |       |
| (b) Carrying Capacity  |       |
| (c) Ecological Overshoot   |       |
| 9. Write an essay on the status of wetlands in India.  | 10    |
| 10. What is Air Pollution ? Describe the impact of air pollution on health and economy.        | 2+4+4 |

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11. What do you mean by the term 'Tragedy of Commons' ? Explain the factors responsible for the degradation of CPRs in India. 5+5
12. Briefly elaborate the economic values of ecosystem services. 10
13. What is 'Green Accounting' ? Describe major challenges of green accounting. 5+5