MSD-016

No. of Printed Pages: 3

POST GRADUATE DIPLOMA IN SUSTAINABILITY SCIENCE (PGDSS)

Term-End Examination June, 2024

MSD-016: STRATEGIES AND MODELS FOR SUSTAINABILITY

Time: 3 Hours Maximum Marks: 100

Note: Answer any **ten** questions. Each questions carries equal marks.

- What is sustainability science? Explain the contribution of sustainability science in infrastructure development.
- 2. Explain the sustainable approach to public health and sanitation.
- Explain briefly the "Zero Emission Research and Initiatives" ZERI Methodology of waste management.

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- 4. What is remote sensing? Explain the application of remote sensing and GIS for sustainable development.
- Explain the different components of natural resource management.
- 6. Write short notes on the following: 5 + 5 = 10
 - (a) Village Resource Centre.
 - (b) Village Knowledge Centre.
- 7. Explain the ecological foundations of evergreen revolution.
- 8. Write short notes on the following: 5 + 5 = 10
 - (a) Organic agriculture.
 - (b) Biofertilizers.
- 9. Explain the role of microenterprises in the biovillage paradigm.10
- 10. Write short notes on the following: 5 + 5 = 10
 - (a) Gender equality
 - (b) Food security.

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- 11. Write short note on the following: 5 + 5 = 10
 - (a) Three Pillar Model.
 - (b) The Capital Stock Model
- 12. Explain the strategies to manage natural resources in the Himalayas.
- 13. What is Integrated Farming System? Explain the components of sustainable Integrated Farming System.
- 14. What is shifting agriculture? Explain the strategies to improve land use and resource management in north-eastern India.
