

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

Term-End Examination

June, 2016

**MSD-016 : STRATEGIES AND MODELS FOR
SUSTAINABILITY**

Time : 3 hours

Maximum Marks : 100

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

1. Write briefly on the classification of Infrastructure and the characteristics of Infrastructure. 10
2. Discuss the sustainability sciences approach to public health and sanitation. 10
3. Explain the terms Re-use, Recycle, Recovery and Reduce in the context of waste management. 10
4. Explain the various components of Remote Sensing Technology. 10
5. Explain the management of Village Resource Centres and Village Knowledge Centres. 10
6. Explain the long term ecological harm associated with Green Revolution. 10

7. Write short note on the components of Ever Green Revolution. 10
8. Explain how biovillage paradigm helps in alleviating poverty and ensuring food security at individual level in rural India. 10
9. Write short notes on the following : 5x2=10
 - (a) The Prism Model
 - (b) The Egg Model
10. Explain Rural Technology Demonstration and Training Centre (RTDTC) Model. 10
11. Explain the Sustainable Integrated Farming System. 10
12. Discuss the strategies to improve Land use and Resource Management in North-East India. 10
13. Explain the Nagaland Environment Protection and Economic Development (NEPED) Project. 10
14. Write a detailed account on sanitation. 10
15. Write short notes on the following : 5x2=10
 - (a) Eco-agriculture
 - (b) Integrated Nutrient Management
16. Discuss the opportunities and constraints in Himalayan Ecosystem. 10