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

Term-End Examination

December, 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. Define the term infrastructure. Explain different types of infrastructure with the help of suitable examples. 2+8=10
2. Discuss the challenges in the Indian Health sector with the help of Indian Health Report Card. 10
3. Explain the sustainability Science approaches to public health and sanitation. 10
4. What are the various sources of waste ? Describe different waste treatment methods. 4+6=10
5. Explain the terms re-use, recycle, recovery and reduce from the perspective of Waste Management. 10
6. Describe the Components of remote sensing technology. 10

7. Discuss the principles involved in the development and management of community gene - seed - grain banks. 10
8. Give a brief description about the management of Village Resource Centre and Village Knowledge Centres. 10
9. What is Green Revolution ? Explain the demerits associated with Green Revolution. 2+8=10
10. Discuss the ecological foundations of sustainable eco-agriculture. 10
11. (a) Explain the principles involved in Integrated Nutrient Management. 5+5=10
(b) Write a short note on sanitation.
12. Discuss the strategies to improve Land use and resource Management in North-Eastern India. 10
13. Write short notes on the following : 5+5=10
(a) The Prism Models of sustainable development
(b) Egg Model of sustainable development
14. What is integrated farming system ? Discuss various approaches involved in Integrated Farming System. 5+5=10
15. Explain Rural Technology Demonstration and Training Centre (RTDTC) Model. 10