

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

Term-End Examination

00663

June, 2019

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

Time : 3 hours

Maximum Marks : 100

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

1. What is infrastructure development ? Discuss the characteristics of infrastructure. 10
2. Explain the relationship between sustainability science and infrastructure development with suitable examples and arguments. 10
3. Discuss the sustainable approach to public health and sanitation. 10
4. Elaborate the concepts of reuse, recycle, recovery and reduce in waste management. 10

5. Discuss the application of remote sensing in the field of sustainability science. 10
6. Explain the conservation and management of biodiversity. 10
7. Elaborate the management of Village Resource Centre (VRC) and Village Knowledge Centre (VKC). 10
8. Explain the short-term gains and long-term ecological harm from Green Revolution with suitable examples. 10
9. Discuss the ecological foundation of Evergreen Revolution. 10
10. Write short notes on the following : 10
 - (a) Organic Agriculture
 - (b) White Revolution
11. Discuss the biovillage paradigm for poverty alleviation and food security. 10
12. Write short notes on the following : 10
 - (a) Co-operative Movement
 - (b) Eco-enterprises and Market Linkages

- 13. Explain major components of Sustainable Integrated Farming System with suitable diagram. 10**
- 14. Write short notes on the following : 10**
- (a) Three Pillar Model
 - (b) The Prism Model
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