

No. of Printed Pages : 2

**MSD-016**

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

**Term-End Examination**

**December, 2023**

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

*Time : 3 Hours*

*Maximum Marks : 100*

---

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

(ii) *Each question carries equal marks.*

---

---

1. What is hard and soft infrastructure ? Describe different types of hard and soft infrastructure with suitable examples. 10
2. Explain various approaches for sanitation and public health. 10
3. Discuss various waste treatment methods with suitable examples. 10
4. Write notes on GIS, Remote Sensing and ENVIS network in India. 10

**P. T. O.**

5. Write short notes on any *two* of the following :  
5×2=10
- (i) Value addition in Indian Agricultural Industry.
  - (ii) Components of natural resource management
  - (iii) Participatory rural appraisal
6. Describe eco-technologies for rural livelihood and enhanced food security. 10
7. Discuss the concepts of “green revolution” and “evergreen revolution”. 5+5
8. Describe the different pathways of sustainable agriculture. 10
9. Give the structures of Biovillage paradigm and describe its objectives. 5+5
10. Discuss the role of traditional cultural landscape management in sustainable development. 10
11. Give a detailed account of sustainable integrated farming system with suitable examples. 10
12. Discuss the various livelihood practices as prevalent in Indian mountain ecosystems. 10
13. What is a model ? Discuss sustainable development models. 10