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MSD-016

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

Term-End Examination

December, 2020

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

Time : 3 Hours

Maximum Marks : 100

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

(ii) Each question carries 10 marks.

1. What is Sanitation ? Discuss various approaches to public health and sanitation with special emphasis on community-led total sanitation. 10
2. What is 4Rs in the context of waste management ? Discuss the following in detail : 10
 - (a) Environmentally responsible procurement
 - (b) Cleaner production

3. Write short notes on any *four* of the following :

2.5×4=10

- (i) Green infrastructure
- (ii) ENVIS
- (iii) Peoples biodiversity register
- (iv) Three-tier knowledge network
- (v) Integrated gene management conservation

4. What is Participatory Rural Appraisal (PRA) ?
How does PRA help in establishing a biocentre ?
Discuss the services provided by a biocentre. 10

5. Define evergreen revolution. Discuss various components of evergreen revolution. 10

6. What is sustainable agriculture ? Discuss various approaches towards achieving sustainable agriculture goals. 10

7. Discuss the role of village knowledge centre for poverty alleviation and food security. 10

8. What is Social Capital framework ? Discuss cooperative movement and self help group system. 10

9. Write short notes on any *two* of the following :

5×2=10

- (i) Sustainable infrastructure
- (ii) Remote sensing and its application
- (iii) Value addition and sustainable production
- (iv) Biovillage

10. What is sustainable development ? Describe various sustainable development models. 10

11. What is sustainable integrated farming system ? Discuss various approaches of Integrated Farming System (IFS) for enhancing livelihood with the help of case studies. 10

12. Discuss the interlinkages between culture and sustainable livelihood. How is traditional societies and cultural landscape important for sustainable development ? 10