MSD-016

POST GRADUATE DIPLOMA IN SUSTAINABILITY SCIENCE (PGDSS)

Term-End Examination

□□1 4З   June, 2017

MSD-016: STRATEGIES AND MODELS FOR SUSTAINABILITY

Time : 3 hours   *Maximum Marks : 100*

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

1. Explain the general and economic characteristics of infrastructure. Discuss four main aspects of sustainability science based infrastructure development.   *8+2=10*

2. (a) Why is preventive medicine considered as a sustainable science approach to good health ?

    (b) Write briefly about sanitation for sustainable health.   *5+5=10*

3. Write short notes on the following :   5+5=10

   (a) Community led total sanitation

   (b) DPSEEA framework

4. Explain in detail the sustainability science models for reduction of waste.   10

5. What is remote sensing ? Discuss the applications of remote sensing.   2+8=10

6. What is natural resource management ? Discuss the linkages between cultural diversity and biodiversity.   5+5=10

7. Give a brief description about the three-tier knowledge network for VRC and VKCs. How can it be strengthened ?   8+2=10

8. Explain the significance of the Green Revolution in India's agricultural growth and development.   10

9. Give an account of the Himalayan ecosystem. Discuss various opportunities and constraints for development interventions in the Himalayas.   5+5=10

10. How does the Biovillage Paradigm help in alleviating poverty and ensuring food security at an individual level in rural India ?   10

11. (a) Explain the NEPED (Nagaland Environment Protection and Economic Development) Project.

(b) Explain the capital stock model.   *5+5=10*

12. What is recycling ? Explain the process of recycling and give the importance of recycling. *2+8=10*

13. What is eco-agriculture ? Explain the six strategies of eco-agriculture.   *10*

14. What is value addition ? Discuss the SWOT analysis of food processing industry.   *1+9=10*

15. Explain the procedure adopted in the establishment of biovillage.   *10*