

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

Term-End Examination

June, 2021

MSD-011 : SUSTAINABILITY SCIENCE

Time : 3 hours

Maximum Marks : 100

Note : Attempt any **ten** questions. Each question carries 10 marks. Answer each question in about 500 words.

1. What factors contribute in achieving food security in a growing population ? 10
2. Describe the strategies and approaches to impart Environmental Education. 10
3. Explain genesis and evolution of sustainability science as a discipline. 10
4. Explore the potential of sustainable livelihood opportunities in improving the living conditons of the people in rural areas. 10
5. Write short notes on the following : 5+5
 - (a) Tongue model of landscape sustainability
 - (b) Watershed management in India

- 6.** Describe the postulates of Human Scale Development Approach. 10
 - 7.** What are the three dimensions of sustainability ? Briefly explain how they are inter-related. 3+7
 - 8.** Which communication media and tools will you use to educate the farmers regarding suitable irrigation techniques ? Justify your answer. 10
 - 9.** Differentiate between Individual and Collective technologies. 10
 - 10.** Explain the causes of depletion of natural resources. 10
 - 11.** What do you understand by ecofriendly lifestyle ? Suggest some tips to go for ecofriendly lifestyle in an urban area. 4+6
 - 12.** Throw light on the principles of landscape ecology as proposed by Forman. 10
 - 13.** What are the central elements of sustainability science ? 10
 - 14.** Describe the opportunities and challenges faced by India with respect to sustainable development. 5+5
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