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MSD-017

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

Term-End Examination

December, 2024

**MSD-017 : CHALLENGES TO SUSTAINABLE
DEVELOPMENT**

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. What is carbon footprint ? Suggest some measures by which individuals can reduce their carbon footprint. 2+8

2. What are natural disasters ? Explain how land degradation aggravates the occurrence of natural disasters. 2+8

3. Distinguish between the point and non-point sources of air pollution. 10
4. In your opinion, why is the preservation of traditional knowledge important ? 10
5. Why is sanitation and hygiene important to prevent food-borne, water-borne and vector-borne diseases ? 10
6. Write short notes on the following : 5+5
 - (a) Sustainable Development Goals
 - (b) Malnourishment and undernourishment
7. Explain the major barriers in mitigating the effect of climate change. 10
8. Define health. Explain the various dimensions of health. 2+8
9. Elucidate the role of information system and institutional strengthening in addressing health related problems. 10
10. Explain the impact of climate change on agricultural production and food security. 10

11. What is meant by energy efficiency ? How can energy efficiency reduce dependence on fossil fuel based energy sources ? 4+6
12. Why do population dynamics and characteristics matter for sustainable development ? 10
13. Write a note on communicable and non-communicable diseases. 10

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