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MSD-017

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

Term-End Examination

June, 2023

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

Time : 3 Hours

Maximum Marks : 100

Note : (i) Attempt any **ten** questions in about
500 words each

(ii) All questions carry equal marks.

1. What is biological terrorism ? What are the various categories of biological terrorism ? 2+8
2. Distinguish between macronutrients and micronutrients. List the major deficiency diseases caused due to lack of essential minerals and vitamins. 5+5

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3. Explain the importance of mitigation and adaptation in framing climate policy. 10
4. Explain the direct and indirect causes of land degradation. 10
5. What are the sources and effects of noise pollution ? 5+5
6. Define etiology. Distinguish between the terms incidence and prevalence in etiological studies. 2+8
7. What are disasters ? With the help of a flow diagram, describe the classification of environmental disasters. 4+6
8. What are the driving forces of urbanization ? 10
9. Write short notes on the following : 5+5
 - (i) Demographic Transition
 - (ii) Ecological Footprint

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10. What is the difference between weather and climate ? How does climate change trigger the occurrence of extreme weather events ? 4+6

11. Why is institutional strengthening and information system necessary to maintain environmental and public health ? 10

12. Highlight the impact of climate change on socio-economic life of the people in coastal areas. 10