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MSD-017

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

Term-End Examination

December, 2021

**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. (a) Define climate change. 2
- (b) Discuss climate change as a threat to sustainability. 4
- (c) What are the future climate change projections ? 4

2. Write short notes on the following : 5 each
 - (a) Climate change impacts on forest resources
 - (b) Climate change impacts on other natural resources
3. Write short notes on the following : 5 each
 - (a) History of human population growth
 - (b) Unsustainable lifestyles–increased consumerism
4. What are the effects of energy crisis ? Describe some ecologically friendly alternatives. 5+5
5. Write short notes on the following : 2 $\frac{1}{2}$ each
 - (a) Urban Sprawls
 - (b) Benefits of urbanization
 - (c) Problem of urbanization
 - (d) Urbanization and increasing resource demand

P. T. O.

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6. Define air pollution. Describe the various sources of air pollution and its impacts on human health. 2+4+4
7. Write short notes on the following : 5 each
- (a) Man-made disasters
- (b) Effects of major disasters with some case studies
8. Discuss in detail the various phases of disaster management. 10
9. Explain 'Biopiracy'. Write an account of some examples of biopiracy of traditional knowledge and the convention on biological diversity. 2+4+4
10. Define sanitation. Explain communicable and non-communicable diseases with suitable examples. 2+4+4

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11. What are the major options for managing environment problems and reducing health risks ? 5+5
12. What are health hazards ? Discuss the various types of health hazards. Why is environmental health important to sustainable development ? 2+4+4

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