

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

Term-End Examination

June, 2016

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

Time : 3 hours

Maximum Marks : 100

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- Note :** (i) *Attempt any five of the following questions.*
(ii) *All question carries equal marks.*
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1. (a) Write short notes on any five of the following in about 100 words : 5x2=10
- (i) Copenhagen Summit
 - (ii) Climate change as a threat to sustainability
 - (iii) Climate change impact on forest resources
 - (iv) Climate change impact on energy resources
 - (v) Impact of climate change on human health
 - (vi) Adaptation measures to mitigate climate change effects in India.
- (b) Discuss various National Missions for climate change adaptation and mitigation implemented by Government of India. 10
2. Discuss the role of individuals, State and Civil society for sustainable adaptation and mitigation to climate change. 20

3. (a) What is carrying capacity ? How it overshoots the biological capacity of planet ? 5+5=10
- (b) Explain different measures to manage energy crisis at Global and National levels. 5+5=10
4. (a) Describe the impact of urbanization on resource demand and consumption. 5+5=10
- (b) Describe various sources and their effects on surface water and ground water pollution. 5+5=10
5. Write short notes on **any four** of the following in about **300** words : 5x4=20
- (a) Public health risks due to environmental pollution.
- (b) Non-communicable diseases.
- (c) Major nutrient required by the human body.
- (d) Impact of population increase on environmental health.
- (e) States of nutritional health.
6. (a) Define health hazards. What are the different types of health hazards ? 5+5=10
- (b) Discuss the nutritional requirements in **10** different life stages of a person.
7. Discuss major factors contributing desertification. Describe the impact of desertification on climate change and soil erosion. 10+10=20

8. Answer **any four** of the following in about **300 words** : **5x4=20**
- (a) Causative factors of land degradation in India
 - (b) Natural disaster
 - (c) Biological invasion
 - (d) Trade Related Intellectual Property Rights (TRIP)
 - (e) Disaster Management Cycle
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