

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

Term-End Examination

June, 2021

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

Time : 3 hours

Maximum Marks : 100

Note : Attempt any **ten** of the following questions. All questions carry equal marks.

1. Write short notes on : 5+5
 - (a) Global Warming and Climate Change
 - (b) Impacts of Human Activities on Climate change

2. Write short notes on : $4 \times 2 \frac{1}{2} = 10$
 - (a) Kyoto Protocol
 - (b) Copenhagen Summit
 - (c) National Action Plan on Climate Change
 - (d) National Air Quality Monitoring Programme

3. Discuss climate change and its impacts on : 5+5
 - (a) Water resources
 - (b) Energy resources

4.
 - (a) What do you understand by the term Ecological Footprints ?
 - (b) Discuss impact of Carbon footprint and Ecological footprint on climate change. 5+5

5. Define Noise Pollution. Describe the various sources and impacts of noise pollution. 2+4+4
6. Write short notes on : 5+5
- (a) Hazardous Waste Pollution
 - (b) Ground Water Pollution
7. Describe the impacts of population increase on environment and health. 5+5
8. (a) Describe the major classes of nutrients needed by the human body.
- (a) How is food safety an important factor for sustainable development ? 5+5
9. (a) Explain the concept of land degradation.
- (a) Describe the impacts of land degradation. 5+5
10. Define Desertification. Describe the sources and impacts of desertification. 2+4+4
11. (a) Define natural disasters.
- (a) Discuss the different types of natural disasters. 3+7
12. Write short notes on : $4 \times 2 \frac{1}{2} = 10$
- (a) Biological Invasion
 - (b) Germ Warfare
 - (c) Biological Terrorism
 - (d) Biopiracy