

POST GRADUATE DIPLOMA IN SUSTAINABILITY SCIENCE (PGDSS)

Term-End Examination

December, 2019

MSD-017 : CHALLENGES TO SUSTAINABLE DEVELOPMENT

Time : 3 hours

Maximum Marks : 100

Note : (i) Attempt any five of the following questions.

(ii) All questions carry equal marks.

1. How has climate change affected water resources ? Elaborate the impact of climate change on different natural resources. 20
2. Describe the mitigation and adaptation measures to climate change in India. 20
3. Define Noise Pollution. Describe the sources of noise pollution and its effects on human health. 20
4. Explain urbanization and its major driving sources. 20
5. Explain how growing urbanization is linked to increasing resource demands. 20
6. Describe how physical and chemical pollutants cause disease in humans. How is environmental health important to sustainable development ? 20
7. Answer any four of the following in about 200 words each : 4x5=20
  - (a) Earthquakes
  - (b) Biopiracy
  - (c) Ground water pollution
  - (d) Problems of land degradation
  - (e) Traditional knowledge digital library

8. Write short notes on **any four** of the following in about 200 words each :

4x5=20

- (a) Volcanic eruptions
  - (b) Bioterrorism
  - (c) Alternate sources of energy
  - (d) Kyoto Protocol
  - (e) Effects of human population growth on natural resources
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