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

Term-End Examination

June, 2018

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

Time : 3 hours

Maximum Marks : 100

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

1. Explain in detail ecological and physiological vulnerability of agriculture to climate change. 20
2. Analyse the relationship between the growing urbanisation and increasing resource demand with suitable examples. Justify the need for sustainable city planning. 20
3. Define biopiracy. Give any five examples. Has India faced threats of bio-piracy ? Give suitable examples. Describe in brief rules and regulations related to biological resources and bio-piracy. 20
4. "Increasing human population leads to environmental degradation which in turn becomes a source for public health risk." Justify this statement with suitable examples. 20

5. Differentiate between point source and non-point source of pollution. Describe in detail different types of water pollution and their major sources. Also explain the harmful effects of water pollution. 20
6. What is desertification? Describe in brief any four major factors contributing to desertification. Explain in brief any five impacts of desertification. 2+8+10=20
7. Write short notes on any four of the following in about 200 words each : 5x4=20
- (a) Role of State Govt. in sustainable adaptation to climate change
 - (b) Types and coverage of sanitation
 - (c) Human induced disasters
 - (d) Climate change and human health
 - (e) National Action Plan on climate change
8. Answer any four of the following in about 200 words each : 5x4=20
- (a) Factors enhancing forest vulnerability to climate change.
 - (b) Types of health hazards.
 - (c) Traditional knowledge Digital Library.
 - (d) Mitigation measures to climate change in India.
 - (e) Kyoto Protocol.
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