

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

Term-End Examination

00263

June, 2017

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

Time : 3 hours

Maximum Marks : 100

*Note : Answer the following questions as per the
instructions given in each section.*

1. Answer any **ten** of the following briefly : $10 \times 2 = 20$

- (a) What do you understand by bioterrorism ?
- (b) Define epidemiology.
- (c) What is the primary objective of the Kyoto Protocol ?
- (d) What are alternative energy sources ?
- (e) What are the chief causes of malaria ?

- (f) What is carbon footprint ?
- (g) What are the benefits of urbanization ?
- (h) How can algae be used as a fuel ?
- (i) What is the difference between drought and famine ?
- (j) What are the different kinds of wastes generated in cities ?
- (k) What are the causes of desertification ?
- (l) What are the nutritional requirements of an adolescent male ?

2. Answer any **eight** of the following questions : $8 \times 5 = 40$

- (a) Differentiate between acute and chronic health effects.
- (b) Explain the relationship between human rights and environmental protection.
- (c) What are macronutrients ? Why are they important ?
- (d) Why are vitamins and minerals essential for our body ?
- (e) Why is India considered to be a disaster-prone country ?

- (f) Discuss the biopiracy of Indian traditional knowledge with the help of suitable examples.
- (g) Why is it essential to conserve biodiversity for sustainable development ?
- (h) Suggest some adaptation and mitigation measures to check climate change impacts in India.
- (i) Write a note on Traditional Knowledge Digital Library.
- (j) What are the chief causes of air pollution ?
- (k) Explain how environment, health and sustainable development are related to each other.
- (l) What are the types and coverage of sanitation ?

3. Answer any **four** of the following questions in detail : 4×10=40

- (a) How does climate change affect food production ?
- (b) Describe the impact of population increase on environment and health.
- (c) What role do individual, state and civil society play for sustainable development ?

- (d) Give the classification of environmental disasters. What are the important strategies for disaster reduction?
 - (e) Discuss the relationship between undernutrition, poverty and sustainable development.
 - (f) What are the possible strategies to overcome the problems caused by urbanization?
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