

TED (10)–2003

Reg. No.

(REVISION—2010)

Signature

SIXTH SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/
TECHNOLOGY—OCTOBER, 2014

ENVIRONMENTAL SCIENCE & DISASTER MANAGEMENT

(Common for all branches)

[Time : 3 hours

(Maximum marks : 100)

Marks

PART—A

(Maximum Marks : 10)

I Answer the following questions in one or two sentences. Each question carries 2 marks.

1. What are the non renewable and renewable resources of energy ?
2. What is an Ecosystem ?
3. Mention any two causes for air pollution.
4. What are the major effects of noise pollution ?
5. Define Mitigation.

(5x2=10)

PART—B

(Maximum Marks : 30)

II Answer any five of the following questions. Each question carries 6 marks.

1. What are the merits and demerits of dam construction ?
2. Write short note on equitable use of resources for sustainable life cycle.
3. What are the causes of Marine Pollution ?
4. Discuss the major effects of soil pollution.
5. What are the advantages of involving the community in disaster management ?
6. Explain the term environmental stress.
7. What are the main causes for agricultural droughts ?

(5x6=30)

PART—C

(Maximum Marks : 60)

(Answer one full question from each unit. Each full question carries 15 marks.)

UNIT – I

- III (a) Explain the role of individual in conservation of natural resources. 8
- (b) Explain the consequences of drought. 7

OR

	Marks
IV (a) Write short note on Tsunami and Nuclear explosion.	8
(b) Write short note on causes and effects of water logging.	7

UNIT – II

V (a) Give an account of the structure and function of an ecosystem.	8
(b) Explain the role of producers, consumers and decomposers in ecosystem.	7

OR

VI (a) Explain briefly about the different components of a forest ecosystem.	8
(b) What do you mean by Ecological Succession and what are its causes ?	7

UNIT – III

VII (a) Write the causes and sources of water pollution.	7
(b) Discuss the role of an individual in prevention of pollution.	8

OR

VIII (a) Describe the sources and effects of thermal pollution.	7
(b) What are the different types and causes of solid wastes ?	8

UNIT – IV

IX (a) Describe the various stages of disaster management.	9
(b) Explain chemical disasters. Describe about Bhopal disaster.	6

OR

X (a) What are the precautionary measures to be taken in the pre stage, during and post earthquake ?	9
(b) Write short note on Minamita tragedy.	6