

TED (10)–2003

(REVISION—2010)

Reg. No:

Signature

SIXTH SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/
TECHNOLOGY—OCTOBER, 2013

ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

(Common for all branches)

[Time : 3 hours

(Maximum marks : 100)

PART—A

(Maximum marks : 10)

Marks

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

1. Define the term Ecology.
2. What you understand by Ecosystem ?
3. What is meant by Environmental stress ?
4. What are the constituents of solid wastes ?
5. State any two merits of wind energy.

(5×2=10)

PART—B

(Maximum marks : 30)

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

1. What are the causes of air pollution ?
2. List different sources of marine pollution.
3. Briefly explain the different types of Environmental hazards.
4. Discuss various effects of earthquake.
5. List the negative impact of overgrazing on environment.
6. What are the advantages of hydro power ?
7. Write a short note on ecological succession.

(5×6=30)

PART—C

(Maximum marks : 60)

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

UNIT—I

- III (a) Enumerate the adverse effects of deforestation. 8
(b) What are the ecological significance of forests ? 7

OR

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- | | Marks |
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| IV (a) Write short notes on non renewable energy sources. | 8 |
| (b) What is mining and enumerate the environmental effects caused due to mining? | 7 |

UNIT—II

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| V (a) List the general characteristic features of desert ecosystem. | 8 |
| (b) Briefly explain the biotic component of an ecosystem. | 7 |

OR

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| VI (a) Write down the important abiotic factors of a lake. | 8 |
| (b) Write short notes on food chain. | 7 |

UNIT—III

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| VII (a) Briefly explain the effects of air pollution on human health. | 8 |
| (b) Enumerate the different sources of water pollution. | 7 |

OR

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| VIII (a) Briefly explain the sources of nuclear hazards. | 8 |
| (b) Discuss the role of an individual in the prevention of pollution. | 7 |

UNIT—IV

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| IX (a) What are the adverse effects of drought? | 8 |
| (b) Write short notes on causes and effects of Chernobyl disaster. | 7 |

OR

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| X (a) Write short notes on disaster resistant house construction. | 8 |
| (b) Explain how search and Rescue operation are to be carried out in the case of a disaster. | 7 |
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