

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2017**

ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

[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. List any two renewable energy sources.
2. Define ecology.
3. Define smog.
4. Draw a food chain.
5. List any two classification of disaster.

(5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. What you meant by biome ?
2. Write a note on desertification.
3. Draw a food web.
4. Describe radioactive contamination.
5. Explain briefly floods, fires and drought.
6. How the nuclear power plant disaster effect environment.
7. List the renewable energy sources.

(5×6 = 30)

PART — C

(Maximum marks : 60)

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

UNIT — I

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|-----|--|---|
| III | (a) What are the problems due to deforestation ? | 7 |
| | (b) Write about renewable and non renewable sources of energy. | 8 |

OR

- IV (a) What are the control measures of land degradation ? 7
(b) Write causes of flood and draught. 8

UNIT — II

- V (a) Write notes on producers, consumers, decomposers with example. 7
(b) Briefly explain the characteristic of forest ecosystem. 8

OR

- VI (a) Illustrate the effect of urbanisation. 7
(b) Differentiate the types of ecosystem with example. 8

UNIT — III

- VII (a) "HEAT islands". Explain with reasons and its bad effects. 7
(b) Enumerate the reasons for global warming and briefly explain. 8

OR

- VIII (a) List Man made reasons of water pollution. Explain 7
(b) What are the different methods to dispose solid waste ? 8

UNIT — IV

- IX (a) Define disaster and explain its types. 7
(b) Explain the management plan for preventing transportation accidents. 8

OR

- X (a) Name and explain new emerging approach in disaster management. 7
(b) List different rules and acts related to disaster management. 8
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