



Dr.S.R.Ranganathan Library & Resource Centre
Govt Polytechnic College ,Perumbavoor

TED (15) –3001

Reg. No.....

(REVISION — 2015)

Signature

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

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

OR

[15]

[P.T.O.]



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Marks

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

7
8

UNIT — II

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

7
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OR

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

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UNIT — III

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

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OR

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

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UNIT — IV

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

7
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OR

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

7
8