ESD·4

Reg. No...

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.

Marks

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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