TED (15) – 3001

(REVISION — 2015)

Reg. No. ....

Signature ....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2019

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. Define deforestation.

2. Define ecosystem.

3. Describe solid waste.

4. Define disaster.

5. Describe TREM card.   (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Explain the uses of forest.

2. Point out the characteristics features of grassland ecosystem.

3. Discover the effects of noise pollution.

4. Discuss the causes of flood.

5. List the environmental effects of pesticides.

6. Describe biomagnification.

7. Discuss the control measures of marine pollution.   (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)   Explain the effect of dams on forest.   8

(b)   Describe the importance of alternate energy sources.   7

Or

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[P.T.O.

Marks

IV   (a)   Discuss the role of an individual in the conservation of natural resources.   8

     (b)   Point out the environmental effects of mining.   7

UNIT — II

V   (a)   State the importance of biodiversity conservation.   8

    (b)   Explain the structure and function of desert ecosystem.   7

OR

VI   (a)   Explain a food chain with suitable example.   8

    (b)   Describe the effect of urbanization on environment.   7

UNIT — III

VII   (a)   Describe the effects of water pollution.   8

    (b)   Explain a method to control air pollution.   7

OR

VIII   (a)   Describe the causes of thermal pollution.   8

    (b)   Explain the effects of nuclear pollution.   7

UNIT — IV

IX   (a)   Describe the emergency phase of disaster management cycle.   8

    (b)   What are the sources of chemical disaster ?   7

OR

X   (a)   Explain effects of cyclone.   8

    (b)   Explain the uses of information technology in disaster management.   7

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