TED (15) – 3001

(REVISION — 2015)

Reg. No..

Signature ....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 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. List the various Mineral resources.

2. State the meaning of what is meant by Biomes.

3. Define environmental pollution.

4. Identify the two factors contributing air pollution.

5. Define Hazard.   (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Identify the social and ecological problems due to Dams.

2. Distinguish between renewable and nonrenewable sources of energy.

3. Explain the types, structure and characteristic features of forest ecosystem.

4. Identify the factors contributing marine pollution.

5. Identify the classifications of hazards based on various aspects.

6. Explain the relationship between disaster and development.

7. State the importance of renewable energy.   (5×6 = 30)

[32]   [P.T.O.

Marks

PART — C

(Maximum marks : 60)

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

Unit — I

III (a) Explain the problems due to over consumption of water.   8

    (b) Explain the importance of energy conservation.   7

Or

IV (a) State the reasons for soil erosion, land slide and desertification.   8

    (b) List the different types of resources from land.   7

Unit — II

V (a) Explain the types, structure and characteristic features of Aquatic ecosystem.   9

    (b) Explain the ecological pyramid.   6

Or

VI (a) Explain the types, structure and characteristic features of desert ecosystem.   6

    (b) Explain Biomagnifications and its impacts.   9

Unit — III

VII (a) State various methods to control air pollution.   7

    (b) Identify the sources contributing to water pollution.   8

Or

VIII (a) Explain the effects of noise pollution.   8

    (b) State various measures to control noise pollution.   7

Unit — IV

IX (a) Explain various preventive measures for disaster risk reduction.   9

    (b) Explain the causes for different types of disasters.   6

Or

X (a) Identify and explain various operations to be carried out during post-disaster phase.   9

    (b) Illustrate how health and disaster management are interrelated.   6

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