

TED (15) – 3001

Reg. No. ....

(REVISION — 2015)

Signature .....

## THIRD SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/ TECHNOLOGY — OCTOBER, 2016

### ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

(Common to all branches)

[Time : 3 hours

(Maximum marks : 100)

#### PART — A

(Maximum marks : 10)

Marks

I Answer the following questions in one or two sentences. Each question carries 2 marks.

1. List any two importance of forest resources.
2. Define ecosystem.
3. Define pollution.
4. Define noise pollution.
5. List any two IT based warning system for disaster management. (5×2 = 10)

#### PART — B

(Maximum marks : 30)

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

1. Illustrate biome.
2. State the role of individual in conserving our planet.
3. Explain autotrophs and heterotrophs.
4. Write a note on tsunami.
5. How do you describe heat island ?
6. Write the steps to reduce soil erosion.
7. Explain hazard zone map. (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) List various forest resources. 7  
 (b) Identify various sources of fresh water. 8

OR

- IV (a) State the reasons for conflict of water. 7  
 (b) What are the man made reasons for soil erosion. 8

## UNIT — II

- V (a) Illustrate ecosystem with all components. 7  
 (b) Explain ecological succession. 8

OR

- VI (a) Illustrate and describe aquatic ecosystem. 7  
 (b) Interpret on interdependence of food chain and food link. 8

## UNIT — III

- VII (a) Identify the factors contributing air pollution. 7  
 (b) Write the steps taken to reduce water pollution. 8

OR

- VIII (a) State reasons and control measures for marine oil pollution. 7  
 (b) Identify factors contributing noise pollution. 8

## UNIT — IV

- IX (a) Explain the relationship between disaster and development. 7  
 (b) Account on the effect of hazards on ecosystem. 8

OR

- X (a) Explain different types of disasters and its causes. 7  
 (b) Write a note on health and disaster management plan. 8