

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE, APRIL - 2024**

ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

[Maximum marks: 100]

[Time: 3 Hours]

PART – A

Maximum marks: 10

I. (Answer *all* the questions in one or two sentences. Each question carries **2** marks)

1. State the importance of water as a resource.
2. Define an Ecosystem.
3. Define air pollution.
4. Identify various categories of solid wastes.
5. Define Vulnerability.

(5 x 2 = 10)

PART – B

Maximum marks: 30

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

1. Explain the reasons for the conflicts over water.
2. State the reasons for soil erosion and land slide.
3. Explain food chain and food web.
4. Explain the biotic and abiotic components of an ecosystem.
5. State the role of water pollution in global pollution.
6. State the use of TREM card in accidents.
7. Define Hazard, Disaster and Risk.

(5 x 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 the problems due to over exploitation of forests. (8)
- (b) Identify the social and ecological problems due to dams. (7)

OR

- IV.** (a) Explain the problems due to over consumption of water. (8)
(b) Explain the environmental impacts due to mining. (7)

UNIT - II

- V.** (a) Explain the phenomenon Ecological Succession. (8)
(b) Explain the types, structure and characteristic features of forest ecosystem. (7)

OR

- VI.** (a) Explain the types, structure and characteristic features of aquatic ecosystem. (8)
(b) Identify the causes of global warming and the effects due to that. (7)

UNIT - III

- VII.** (a) List the causes and effects of Air pollution. (8)
(b) Explain various methods of solid waste management. (7)

OR

- VIII.** (a) List the causes and effects of Thermal pollution. (8)
(b) Explain the role individual to control various aspects of environmental pollution. (7)

UNIT – IV

- IX.** (a) Explain the causes and consequences of flood. (8)
(b) Explain hazard zonation map. (7)

OR

- X.** (a) Explain the causes and consequences of earth quake. (8)
(b) Briefly explain about Bhopal Gas Tragedy. (7)
