

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE, NOVEMBER – 2024**

ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

[Maximum Marks : 100]

[Time : 3 hours]

PART – A
(Maximum Marks : 10)

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

1. What are natural resources?
2. What is environmental science?
3. Define an ecosystem.
4. Write any two causes of air pollution.
5. Define environmental hazards.

(5x2=10)

PART – B
(Maximum Marks : 30)

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

1. Explain the role of water as a major natural resource.
2. Explain different types of ecosystem.
3. Write a short note on forest ecosystem.
4. What are the sources of air pollution?
5. Write a short note on noise pollution.
6. What is Tsunami? What are the causes of Tsunami?
7. Write a note on Cyclone.

(5x6=30)

PART – C

(Maximum Marks : 60)

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

UNIT – I

- III.** (a) Explain deforestation and their effects. (8)
(b) Explain the various problems affecting food security. (7)

OR

- IV.** (a) What are the causes of soil erosion? (8)
(b) Write notes on forest resources and their uses. (7)

UNIT – II

- V.** (a) Explain the structure of an ecosystem. (8)
(b) Explain the concepts of food chain. (7)

OR

- VI.** (a) What are the different types of ecological pyramids? (9)
(b) Explain pond ecosystem. (6)

UNIT –III

- VII.** (a) What are the sources of water pollution? (8)
(b) What is the role of individuals in controlling pollution? (7)

OR

- VIII.** (a) Explain various methods of waste management. (10)
(b) What are the sources of land pollution? (5)

UNIT – IV

- IX.** (a) Explain the causes of natural disaster. (8)
(b) Explain the preparedness before disaster. (7)

OR

- X.** (a) Explain various methods of preparing maps. (10)
(b) Write short note on manmade disaster. (5)
