

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, NOVEMBER – 2023**

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 is eutrophication?
2. What is bio magnification?
3. Write two sources of nuclear pollution.
4. Give examples for primary pollutants of air pollution.
5. What is disaster mitigation?

(5 x 2 = 10)

PART-B

[Maximum Marks: **30**]

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

1. List down the problems due to large dams.
2. What are the causes of desertification?
3. Mention the characteristic features of desert ecosystem.
4. Explain the components of a food chain with an example.
5. What are the sources of water pollution?
6. Explain different types of disasters.
7. Explain hazard zonation map.

(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. What are the ecological significances of forest? (8)
- b. List the impacts of modern agricultural technology. (7)

OR

- IV. a. What are renewable energy resources? Explain with an example. (8)
b. List the benefits and problems due to dams. (7)

UNIT – II

- V. a. What is an ecological pyramid? Briefly explain three types. (8)
b. What are the components of an ecosystem? (7)

OR

- VI. a. Mention the features of different forest ecosystem. (9)
b. What is ecological succession? Explain different types. (6)

UNIT- III

- VII. a. Explain any three methods of solid waste disposal. (9)
b. List the effects of noise pollution. (6)

OR

- VIII. a. Assess the problems and effect of air pollution. (8)
b. What can you do for preventing environmental pollution. (7)

UNIT - IV

- IX. Explain the different stages of disaster management. (15)

OR

- X. Write from your view about the last disaster in Kerala. (15)
