

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/  
COMMERCIAL PRACTICE, APRIL-2022**

**ENVIRONMENTAL SCIENCE & 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. Define Natural resources.
2. Define an Ecosystem.
3. List any two types of Environmental pollution.
4. Define Disaster.
5. List any two resources supplied by Forest.

(5 x 2 = 10)

**PART – B**

**Maximum marks : 30**

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

1. State the importance of Renewable energy.
2. State the problem due to Mining.
3. Explain the phenomenon Ecological succession.
4. Explain the effects of Noise pollution.
5. Explain the relationship between Disaster and Development.
6. Briefly explain the reasons for Global food crisis.
7. Explain the role of producers, consumers and decomposers in an ecosystem.

(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) Explain the problems due to de-forestation. (8)
- (b) Explain the importance of Energy conservation. (7)

OR

- IV.(a) State why land is considered as a recourse and describe the control measures for land degradation. (10)
- (b) Illustrate the role of individual in the conservation of Natural resource . (5)

**UNIT-II**

- V. (a) Explain the Ecological pyramid. (9)
- (b) Explain the bio-magnification and its impacts. (6)

**OR**

- VI. (a) Explain the type, structure and characteristic features of desert ecosystem. (10)
- (b) Identify the causes Global warming. (5)

**UNIT-III**

- VII. (a) Identify the factors contributing to Air pollution. (8)
- (b) State various methods to control water pollution. (7)

**OR**

- VIII.(a) Explain the effect of Noise pollution. (7)
- (b) Explain EIA and the need for EIA while implementing projects. (8)

**UNIT-IV**

- IX. (a) Explain the disaster management operation cycle. (10)
- (b) State the use of TREM card in accidents involving hazardous goods transport. (5)

**OR**

- X. (a) Define Hazard, vulnerability, risk in Disaster management and state their relation. (8)
- (b) Explain the role played by any two acts related to disaster management. (7)

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