

TED (15/19) -3001  
(Revision- 2015/19)

**N21-08337**

Reg.No.....  
Signature. ....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/  
COMMERCIAL PRACTICE –NOVEMBER -2021.

**ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT**

(Maximum Marks : 75)

[Time : 2.15 hours]

**PART–A**

Marks

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

1. Name any two renewable energy sources.
2. Define ecosystem.
3. What is meant by pollution?
4. Give any two natural disasters.
5. Name any two acts related to disaster management. (3x2=6)

**PART - B**

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

1. Explain the problems due to de-forestation.
2. Explain the environmental impacts due to mining.
3. Write short note on ecological pyramid.
4. What are the causes of global warming?
5. Explain the effects of air pollution.
6. Briefly explain the methods to dispose non hazardous solid waste.
7. Explain hazard zonation map.

[4x6 =24]

## PART - C

(Answer **any of the three units** from the following. Each full question carries 15 marks)

### UNIT I

- III** (a) Explain the advantages and disadvantages due to large dams. (9)  
(b) Which are the causes of flood and drought? (6)

### OR

- IV** (a) Explain why land is considered as a resource. (9)  
(b) Define soil erosion and state the reasons for soil erosion. (6)

### UNIT- II

- V** (a) Explain food chain and food web. (9)  
(b) Describe about ecological succession. (6)

### OR

- VI** (a) Explain the components and functions of grass land ecosystem. (9)  
(b) Explain about biodiversity conservation. (6)

### UNIT- III

- VII** (a) Which are the sources contributing oil pollution? (9)  
(b) Explain the effects of oil pollution. (6)

### OR

- VIII** (a) Identify the sources of nuclear pollution. Mention any four control measures. (9)  
(b) Which are the preventive measures of water pollution. (6)

### UNIT – IV

- IX** (a) Explain the factors influencing vulnerability and risk. (9)  
(b) Write short note on relationship between disaster and development. (6)

### OR

- X** (a) Describe various preventive measures for earth quake disaster risk reduction. (9)  
(b) What is TREM card? State the use of TREM card in accidents involving hazardous goods transport. (6)

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