



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

B.Tech VI Semester End Examinations (Regular), November– 2020

Regulation: IARE–R16

DISASTER MANAGEMENT

(CSE | IT | EEE | ME)

Time: 2 Hours

Max Marks: 70

**Answer any Four Questions from Part A
Answer any Five Questions from Part B**

PART – A

1. Distinguish between hazard and disaster giving examples. [5M]
2. What is the difference between natural disaster and man-made disaster? [5M]
3. Describe the measures taken during a land slide disaster. [5M]
4. Explain briefly about the physical hazards and its management. [5M]
5. List the various stages in the disaster management. [5M]
6. Describe the various hazards affecting the environment. [5M]
7. Under what category will cyclones come? Explain with reasons. [5M]
8. Write down the causes and distribution of earthquake clearly. [5M]

PART – B

9. Describe ecosystem approach to mitigate environmental stress. In what way it is different from the perception approach? [10M]
10. Write an account on different approaches to disaster management and relation with human ecology. [10M]
11. Differentiate between endogenous hazards and exogenous hazards. i) Cold wave ii) Heat waves iii) Soil erosion [10M]
12. Explain the major forms of pollution along with the particular contaminant relevant to each of them. [10M]
13. Demonstrate the hazards effects of volcanic eruptions? [10M]
14. What is epicenter and focus? Draw with a neat diagram? Based on depth how many types of earthquakes are classified. [10M]
15. Considering Bhopal gas disaster. Explain the applicable principles of disaster management to mitigate the effect of such disaster in future. [10M]
16. Explain the drought hazard status in India. Describe some drought mitigation measures. [10M]
17. What are the preparation of emergency management programmes in India. Explain the role of government agencies for disaster management? [10M]
18. What are the preparedness required for an establishment of nuclear power plant? [10M]