

Code No: 126EC

**R13**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, April - 2018

DISASTER MANAGEMENT

(Common to AE, AGE, AME, EEE, ECE, EIE, IT, ME, MIE, PTM)

Time: 3 hours

Max. Marks: 75

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each full question carries 10 marks and may have a, b, c as sub questions.

**PART - A****(25 Marks)**

- 1.a) What are the different types of environmental disasters? [2]
- b) List out the various causes of environmental hazards. [3]
- c) Write down the different forms of natural disasters. [2]
- d) Explain the effect of planetary disasters. [3]
- e) What are the various methods of mitigation of earthquakes? [2]
- f) Explain the various causes Volcanoes. [3]
- g) Distinguish between tropical cyclones and local storms. [2]
- h) Explain the flood hazard status India. [3]
- i) Define the term rehabilitation. [2]
- j) What is an emergency stage in disaster management? [3]

**PART - B****(50 Marks)**

- 2.a) Explain the various hazards affecting the environment.
- b) Explain the human ecology and its application in geographical research. [5+5]

**OR**

3. Explain the following in detail:
  - a) Environmental stress
  - b) Landscape approach. [5+5]

4. Explain the various types of environmental hazards. [10]

**OR**

5. Explain the different types of man induced disasters effecting the environment. [10]

- 6.a) Explain the different types of endogenous hazards.
- b) Explain the various causes of earthquakes. [5+5]

**OR**

- 7.a) Explain the impact of volcanic eruptions on environment.
- b) Explain the various hazardous effects of earthquakes. [5+5]

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8. Explain in detail about the various types of exogenous disasters. [10]

OR

9.a) Explain the various drought control measures.  
b) What are the factors influencing the soil erosion and explain the different methods of conservation measures of soil erosion. [5+5]

10. Explain the various stages in the disaster management. [10]

OR

11. Explain in detail role of preparedness in disaster management. [10]

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