

Code No: 126EC

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, May - 2017

## DISASTER MANAGEMENT

(Common to AE, AG, AME, ECE, EEE, EIE, ETM, IT, ME, MIE, MSNT, 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 question carries 10 marks and may have a, b, c as sub questions.

## PART - A

(25 Marks)

- 1.a) Define meteorological disaster? [2]
- b) List the causes of environmental pollution. [3]
- c) Give examples of natural disasters. [2]
- d) What is a nuclear hazard? [3]
- e) Mention different types of cyclonic disasters. [2]
- f) List worst draught affected states of India. [3]
- g) What are the different types of volcano? [2]
- h) List a few soil erosional causes and management. [3]
- i) Differentiate rescue and preparedness. [2]
- j) Discuss the different stages of relief process. [3]

## PART - B

(50 Marks)

2. Explain in detail the aspects of environmental stress and management of the environment. [10]
- OR**
3. Explain different types of meteorological disaster. [10]
  4. How the manmade hazards controlled and regulated? Discuss. [10]
- OR**
5. Discuss about Endogenous Hazards and Exogenous Hazards. [10]
  6. Explain Human adjustment, perception and mitigation of earthquake in India. [10]
- OR**
7. Define Volcanism and discuss the causes and effects. [10]
  8. Mention causes of draught and the mitigation measures. [10]
- OR**
9. Discuss different frequent and infrequent events in detail. [10]
  10. Discuss the different aspects of disaster mitigation through advanced technology. [10]
- OR**
11. Explain with a suitable case study the mitigation and management of cyclonic disaster. [10]