

**R13**

Code No: 126EC

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, December - 2017****DISASTER MANAGEMENT****(Common to AE, AGE, AME, EEE, ECE, EIE, IT, MSNT, 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 question carries 10 marks and may have a, b, c as sub questions.

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

- 1.a) What are the environmental hazards? [2]
- b) What is ecosystem? [3]
- c) Explain about chemical hazards. [2]
- d) Define physical and biological Hazards. [3]
- e) What is an earthquake? [2]
- f) What are the causes of land slide? Explain. [3]
- g) Define soil erosion. [2]
- h) Define heat wave floods. [3]
- i) Define disaster management. [2]
- j) Define pre-disaster stages. [3]

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

2. Define Ecology? Explain with the help of diagram Ecosystem Approach. [10]  
**OR**
3. Explain clearly the application of human ecology in geographical researches. [10]
4. Write a detailed note on Natural hazard briefly. [10]  
**OR**
5. Explain briefly about the planetary disasters occurs and its management. [10]
6. What are the environmental impacts of volcanic eruptions? Explain. [10]  
**OR**
7. How the mitigation and perception of earthquake is done in India? Explain. [10]
8. How cyclones occur? Write a short note on Tropical cyclones and local storms. [10]  
**OR**
9. What are the factors of soil erosion? Explain in brief about conservation measures of soil erosion. [10]
10. Write short notes on emergency stage in disaster management. [10]  
**OR**
11. What is meant by post disaster stage? Explain clearly. [10]