

R15

Code No: 125DX

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, November/December - 2017

DISASTER MANAGEMENT

(Common to CSE, CE, CEE)

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 Environmental stress. [2]
- b) Define Vulnerability? [3]
- c) What are the characteristics of earth's environments? [2]
- d) List various types of environmental hazards. [3]
- e) How are volcanoes and earthquakes distributed? [2]
- f) Discuss possible way to mitigate the impact of Earthquakes. [3]
- g) What is a Cyclone and list its general characteristics? [2]
- h) Explain the four different types of drought. [3]
- i) What is disaster preparedness mean? [2]
- j) Explain the action involved in post disaster phase. [3]

PART - B

(50 Marks)

- 2.a) What are the stressors of the environment?
 - b) What is meant by human ecology and how is it related to disasters? [5+5]
- OR**
- 3.a) Discuss in brief about landscape, ecosystem and perception approaches in relation with human ecology.
 - b) Prepare a list of significant causes of different man-made disaster. [5+5]
- 4.a) Discuss in brief the types of environmental hazards and disasters.
 - b) List natural disasters occurring in your area explain two of them. [5+5]
- OR**
- 5.a) Discuss how exogenous and endogenous hazards impact legal, political, health and other societal systems.
 - b) Write brief note on planetary and extra-planetary hazards. [5+5]
- 6.a) What are landslides? List out five major causes of landslides in India.
 - b) What are the effects of the volcanoes on the environment? [5+5]
- OR**
- 7.a) What are the harmful effects of earthquakes on the environment?
 - b) Suggest risk reduction measures for landslide mitigation. [5+5]

- 8.a) Explain in detail the conditions necessary for the development of a cyclone.
b) Identify the elements that are at risk in areas that are prone to drought and identify five risk reduction measures to combat drought. [5+5]

OR

- 9.a) Identify risk reduction measures for cyclones.
b) List out some of the causes and adverse effects of floods. [5+5]

- 10.a) Briefly discuss the Disaster Management Cycle with suitable examples.
b) Discuss the present and emerging approaches in Disaster management. [5+5]

OR

- 11.a) Write in detail the emergency stage of a disaster management.
b) Explain in brief the rehabilitation, reconstruction and recovery of post disaster stage. [5+5]

---ooOoo---