

Code No: 115DX

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, May - 2018

DISASTER MANAGEMENT
(Common to CEE, CE, CSE)

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 Ecosystem. | [2] |
| b) What is Landscape Approach in disaster Studies? | [3] |
| c) Define technological Disaster. | [2] |
| d) Explain endogenous Hazards. | [3] |
| e) What are Rock slides? | [2] |
| f) What is Conduit? How is it forms? | [3] |
| g) Define Hydrological drought. | [2] |
| h) Explain Epidemic | [3] |
| i) List out 4 Host factors affecting Disaster. | [2] |
| j) Mention the Principles of Disaster Management. | [3] |

PART - B**(50 Marks)**

- | | |
|--|-------|
| 2.a) Discuss on Environmental disaster. | |
| b) Give an overview on natural and manmade disasters. | [5+5] |
| OR | |
| 3.a) Discuss in detail on ecosystem and Perception approaches for Disaster with Human ecology. | |
| b) Differentiate Disaster and Hazard with suitable example. | [6+4] |
| 4.a) Classify Man made hazard and explain any one. | |
| b) What is natural hazard and discuss on causes? | [5+5] |
| OR | |
| 5.a) Explain in detail on Planetary hazards. | |
| b) Write a note on Exogenous Hazards. | [5+5] |
| 6.a) Explain on environmental effect of volcanic eruption. | |
| b) Write a note on causes for earthquake. | [5+5] |
| OR | |
| 7. Elaborate causes, effects of landslides and controlling measures. | [10] |

AG AG AG AG AG AG AG A

8. Explain in detail on flood disaster and its impact along with case study from India. [10]

OR

9.a) Explain in detail on chemical hazards

b) Write a note on sedimentation process.

AG AG AG AG AG AG AG A [6+4]

10. Explain in detail Disaster Preparedness and steps involved in it.

[10]

OR

11.a) Describe on Post disaster management.

b) Elaborate Emergency stage.

[5+5]

AG AG AG AG AG AG AG A
---ooOoo---

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A