

Code No: 156DP**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, August/September - 2024****DISASTER PREPAREDNESS AND PLANNING MANAGEMENT****(Common to EEE, ME, ECE, MIE)****Time: 3 Hours****Max. Marks: 75**

- Note:** i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) Define Disaster. [2]
- b) What is vulnerability? [3]
- c) What is volcanoes? [2]
- d) Brief on coastal erosion. [3]
- e) Describe the Physical Disaster Impacts. [2]
- f) Describe the Health Disaster Impacts. [3]
- g) Illustrate the Disaster management cycle. [2]
- h) What are the Disaster risk reduction strategies? [3]
- i) Brief on Environmental friendly recovery. [2]
- j) What are the factors affecting vulnerability? [3]

PART – B**(50 Marks)**

- 2.a) Distinguish between environmental stress, hazard and disaster giving examples.
- b) Elaborate the term “mitigation” and give any 3 examples with reference to specific disasters. [5+5]

OR

- 3.a) Differentiate the terms risk and vulnerability with some examples.
 - b) Elaborate the various vulnerability schemes to drought and nuclear disasters. [5+5]
- 4.a) How is environmental hazard linked to ecology? Explain with respect to Drought.
 - b) Drought and floods occur in the same region but at different times. Explain the reasons. [5+5]

OR

- 5.a) Write a short note on man induced hazards briefly.
 - b) Distinguish between endogenous and exogenous hazards giving examples. [5+5]
- 6.a) Compile impact of climate change in detail.
 - b) Elaborate the Disaster Impacts on environment. [5+5]

OR

- 7.a) Elaborate various urban disasters.
- b) Elaborate the Disaster Impacts on ecology. [5+5]

- 8.a) What are the roles of international agencies in post disaster response? Explain in detail.
b) Elaborate the Disaster Risk Reduction (DRR) in detail. [5+5]

OR

- 9.a) Explain the Roles and responsibilities of government in Disaster Risk Reduction.
b) Elaborate the DRR programmes in India and the activities of National Disaster Management Authority. [5+5]

- 10.a) Elaborate the impact of developmental projects on environment.
b) How to develop environmental friendly projects. [5+5]

OR

- 11.a) How to develop sustainable environmental policies. Explain.
b) How to recover the environment from disasters. [5+5]

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paper Aug-2024