

R18

Code No: 156DP

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, July - 2023

DISASTER PREPAREDNESS AND PLANNING MANAGEMENT

(Common to CSE, IT, ECM, CSBS, CSIT, ITE, CSE(CS), CSE(AI&ML), CSE(DS), CSE(IOT))

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) List out the various causes of vulnerability. [2]
- b) What is disaster impact? [3]
- c) Write a short note on man induced hazards briefly. [2]
- d) What are the effects of natural disasters on environment? [3]
- e) Explain urban disasters. [2]
- f) What are the hazard locations? [3]
- g) Explain the role of community in disaster preparedness. [2]
- h) What are the various methods of mitigation in Disaster Risk Reduction? [3]
- i) Write the factors effecting environmental friendly recovery. [2]
- j) Elaborate the recent environmental modifications. [3]

PART – B

(50 Marks)

- 2.a) Explain the relationship between hazard, risk and vulnerability.
 - b) Elaborate the importance of “Prevention” in Disaster Management. [5+5]
- OR**
- 3.a) Compile the various vulnerability schemes to flood and earthquake.
 - b) Elaborate the classification of environmental hazards. [5+5]

- 4.a) Compile the different types of endogenous hazards.
- b) Elaborate the different types of naturally induced disasters effecting the environment. [5+5]

OR

- 5.a) List the natural disaster phenomena likely in the Indian subcontinent.
- b) Explain the various types of environmental disasters. [5+5]

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

OR

- 7.a) Compile the disaster impact of economic and political aspects.
- b) Elaborate the disaster impact of health, psycho-social issues. [5+5]

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8.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]

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OR

9.a) Compile the Disaster management cycle and its phases.

b) Elaborate the structural and non-structural measures of risk analysis, vulnerability and capacity assessment. [5+5]

10.a) Compile the reconstruction and development methods of environment.

b) Elaborate the impact of urbanization on environment. [5+5]

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OR

11.a) How to develop sustainable environmental policies? Explain.

b) How to recover the environment from disasters? [5+5]

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