

Code No: 156DP**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, March - 2024****DISASTER PREPAREDNESS AND PLANNING MANAGEMENT****(Common to EEE, ME, ECE, CSE, IT, MIE, 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) What is meant by mitigation? [2]
- b) What do you understand by vulnerability? [3]
- c) What is meant by eye of the cyclone? [2]
- d) Describe the major cause of urban flooding. [3]
- e) What is considered the main reason for global warming? [2]
- f) Brief the impact of global warming on climate change. [3]
- g) Brief on the role of Red Cross society. [2]
- h) What is the importance of pre-disaster stage in disaster mitigation? [3]
- i) What is a green building? [2]
- j) What is the meaning of environmentally sustainable development? [3]

PART – B**(50 Marks)**

- 2.a) Describe the concept of disaster and brief on the elements of disaster.
 - b) Distinguish hazard from the disaster, with an example. [5+5]
- OR**
- 3.a) Explain in detail the features of perception approach to disaster management.
 - b) Brief on the concept of risks severity. [5+5]
- 4.a) What are the causes of increasing industrial pollution?
 - b) What are the long-term consequences of forest denudation? [5+5]
- OR**
- 5.a) Why the death rate remains one of the highest due to transportation accidents in India?
 - b) Which are the regions in our country considered most vulnerable to seismic activity? [5+5]
6. Give an account of the long-term effect of war and conflict on the economic, political, and social life of people. [10]
- OR**
- 7.a) What is the nature of vulnerability to disaster across demographic section?
 - b) Highlight the urgency to reduce global warming. [5+5]

8. Critically assess the role and contribution of NGOs in response to post disaster relief and rehabilitation measures, giving specific examples. [10]

OR

9.a) How has been meteorological department coming up with a warning on cyclones?

b) What are the phases of disaster management cycle? [5+5]

10.a) What is the impact of large-scale projects such as dams or hydropower generation on the environment?

b) To what extent mankind is responsible for increasing carbon in the environment? [5+5]

OR

11.a) Bring out the role of proper urban planning and development in reducing vulnerability for disaster.

b) What measures need to be taken to make our living environment friendly? [5+5]

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Use Paper March-2024