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Code No: 156DP

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, February/March - 2022

DISASTER PREPAREDNESS AND PLANNING MANAGEMENT

(Common to EEE, ME, ECE, CSE, IT, MIE, PTM)

Time: 3 Hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) What is hazard identity and brief on concepts of disaster management.
- b) What is capacity? What are the means of enhancing capacity? [8+7]
2. Define vulnerability. How are vulnerabilities categorized? What are the factors that increase vulnerability? [15]
- 3.a) How are tsunamis formed and discuss the manmade disasters.
- b) What are the causes of transportation accidents due to non collision? [8+7]
- 4.a) How is an earthquake formed and brief on ecological fragility?
- b) What are the sources of radioactivity? [8+7]
5. Explain in detail the impact of disaster on the attitude of disaster victims and discuss on climate change and urban disasters. [15]
- 6.a) What is the impact of disaster mismanagement on the nation's image?
- b) What is the nature of impact of disaster on children? [8+7]
- 7.a) What are the phases of Disaster Management Cycle? Briefly describe each of the phases of Disaster Management Cycle.
- b) What is National Disaster Response Force and brief on structural and non structural measures of risk reduction? [8+7]
- 8.a) What are the aspects to be considered under vulnerability analysis?
- b) What are the measures being undertaken for preventing vehicular pollution? [8+7]

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