

Code No: 138FW

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, December - 2020

**DISASTER MANAGEMENT**  
(Common to CE, EEE, ME, ECE, CSE, MIE)

Time: 2 Hours

Max.Marks:75

**Answer any Five Questions**  
**All Questions Carry Equal Marks**

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1. List the hazards that can affect your neighborhood, and identify those facilities and people who are most likely to get affected; Explain why these are mostly likely to get affected; and thereby understand their vulnerability. [15]
- 2.a) Vulnerability is an essential element for defining disaster impacts and its threat to people. How and in what ways can vulnerability to disasters be characterized?  
b) How important is vulnerability and risk assessment for pre-disaster management? [8+7]
- 3.a) Make a list of agencies that have a role in the Disaster Management according to the different stages of the Disaster Management Cycle.  
b) Explain the concept of Disaster Mitigation, its relation with Preparedness and the need for systematic planning in this regard. [8+7]
- 4.a) Identify the most probable natural disaster in India. Trace its disaster management cycle, identifying when the last disaster event occurred, what was the response after it, and which mitigation and preparedness activities need to be taken up for reducing the impact of a similar disaster in the future.  
b) Discuss how Disaster Prevention and Preparedness can be planned and implemented at local (city/village level), National and International level. [8+7]
- 5.a) Explain the risk reduction strategies followed by the government of India during the times of disaster.  
b) Discuss the legislative support at the state and national levels in capacity development. [8+7]
- 6.a) Discuss the role of media in Disaster management.  
b) Make a list of the steps involved in disaster recovery planning. [7+8]
- 7.a) Discuss briefly the philosophy of coping with disasters and the strategies adopted.  
b) Discuss briefly the conceptual change of disaster management models. [8+7]
- 8.a) Discuss briefly the paradigm shift in disaster management in India.  
b) Explain the organizational structure for disaster management in India. [7+8]

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