

Code No: 156DP

**R18**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, August - 2022**

**DISASTER PREPAREDNESS AND PLANNING MANAGEMENT**

**(Common EEE, CSE, IT)**

**Time: 3 Hours**

**Max.Marks:75**

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

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- 1.a) Clearly explain the terms 'disaster mitigation' and 'disaster prevention' and bring out the differences between the two.  
b) Write brief on mitigation. [10+5]
- 2.a) What is the need and importance of vulnerability assessment?  
b) What is hazard? How can hazardous situations become ripe for disaster? [8+7]
- 3.a) What causes forest fires? How serious is the damage to ecology due to forest fires?  
b) How does proneness to landslides are increased by manmade activities? [10+5]
- 4.a) How is the terrestrial ecosystem linked to aquatic ecosystem?  
b) Briefly discuss why road accidents remain one of the highest causes of death in India. [8+7]
- 5.a) Do disasters impact human being psychologically? Discuss, taking a specific example to illustrate your answer.  
b) What has been the impact of drought and flood in economic terms, in India over the years? [8+7]
6. Can global warming lead to a disastrous situation in future? What should be done to communicate and educate urgency of the situation and take effective steps for preventing it? [15]
- 7.a) Critically comment on the role-played by National Disaster Management Authority.  
b) How effective NGOs have been in playing their legitimate part, in the course of post disaster response? [9+6]
8. 'Depletion of forest area is a matter of serious concern for India due to its population pressure and economic growth needs.' Comment on the measures taken to alleviate the problem and give your suggestion for providing adequate forest cover to inhabitants of our country. [15]

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