

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**ME – SEMESTER- I/II (New)– EXAMINATION – SUMMER - 2020**

**Subject Code: 3700002****Date:04-11-2020****Subject Name: Disaster Management****Time:02:30 PM TO 04:30 PM****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain Disaster management cycle with neat diagram. **05**  
 (b) Discuss the institutional mechanism for national disaster management in India. **05**
- Q.2** (a) Explain structural and non structural mitigation for disaster management and also discuss the emerging trends in it. **05**  
 (b) Define the following: **05**  
 1)Hazard 2) Emergency 3) Disaster 4) Risk 5) Vulnerability
- OR**
- (b) What is the role and responsibility of Media at the time of disaster? **05**
- Q.3** (a) Enlist various Natural and manmade Disasters. **05**  
 (b) Discuss the role of National Disaster Management Authority. **05**
- OR**
- Q.3** (a) What is the post disaster role of government in epidemics? **05**  
 (b) Explain the disaster Earthquake and enlist the activities to be performed immediately after the occurrence of an earthquake. **05**
- Q.4** (a) Discuss the vulnerable disaster profile of India. **05**  
 (b) Discuss Tropical cyclones and mitigation measures taken by government of India for it. **05**
- OR**
- Q.4** (a) Discuss the steps of preparedness to be taken for hazard like flood. **05**  
 (b) Discuss oil slicks and oil spills and their effect on environment and animals. **05**
- Q.5** (a) Discuss in detail the role of Science and Technology in Disaster Management. **05**  
 (b) Explain the features of Disaster Management Act-2005 **05**
- OR**
- Q.5** (a) Discuss the application of remote sensing in Disaster management. **05**  
 (b) What is meant by capacity building? Discuss the role of National Institute of Disaster Management. **05**

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