

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) - EXAMINATION – SUMMER 2016****Subject Code:2150003****Date:19/05/2016****Subject Name: Disaster Management****Time:02:30 PM to 05:00 PM****Total Marks: 70****Instructions:**

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

- Q.1 (a)** Define the following terms: **07**
1. Disaster
 2. Hazard
 3. Vulnerability
 4. Mitigation
 5. Risk
 6. Capacity
 7. Early Warning
- (b)** Describe natural disasters and man-made disasters **07**
- Q.2 (a)** Describe in brief the causes of climate change **07**
- (b)** Give adverse effects of tsunami. Also discuss the tsunami mitigation measures. **07**
- OR**
- (b)** How are cyclone prevention and mitigation taken in India? **07**
- Q.3 (a)** Discuss the paradigm shift in disaster management in India **07**
- (b)** Explain International Decade for National Disaster Reduction (IDNDR) **07**
- OR**
- Q.3 (a)** Discuss Yokohama strategy **07**
- (b)** Write a short note on Seismic Micro-zonation. **07**
- Q.4 (a)** Discuss in brief the Disaster Management Act 2005 **07**
- (b)** Enumerate on our National Guidelines and Plans on Disaster Management **07**
- OR**
- Q.4 (a)** What is remote sensing and how is it useful in Disaster Management? **07**
- (b)** What is the role of Non-Government and Inter-Governmental Agencies in Disaster Management? **07**
- Q.5 (a)** What is the significance of Land Use Planning and Development Regulations in Disaster Management? **07**
- (b)** What is the role of GIS in Disaster Management? **07**
- OR**
- Q.5 (a)** Explain any one disaster where RS and GIS technology proved to be a vital tool for Disaster Mitigation **07**
- (b)** What do you mean by Structural and Non-Structural Mitigation for Disaster Management? **07**
