

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – V (NEW) EXAMINATION – WINTER 2015

Subject Code: 2150003

Date: 15/12/ 2015

Subject Name: Disaster Management

Time: 10:30am to 1:00pm

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)** Explain the importance of the subject “Disaster Management” as a part of B. Tech. study. **07**
- (b)** Suppose you are appointed as an in-charge of disaster management cell of a village which is categorized under Zone V for Earthquake. Write in brief your plan of action towards
- Prevention and Mitigation of Disasters,
 - Early Warning System, Preparedness and Capacity Development;
 - Awareness During Disaster, Evacuation and Disaster Communication;
 - Search and Rescue, Relief and Rehabilitation;
 - Post-disaster Damage and Needs Assessment;
 - Restoration of Critical Infrastructure;
 - Early Recovery, Reconstruction and Redevelopment
- Q.2 (a)** Write short note on Disaster Management. **07**
- (b)** Write short note on Geological Disasters. **07**
- OR**
- (b)** Explain about Disaster Communication System. **07**
- Q.3 (a)** Explain in brief about global disaster trends. **07**
- (b)** Explain about pre-disaster risk assessment, analysis, risk mapping, zonation and microzonation. **07**
- OR**
- Q.3 (a)** Classify disaster and explain effect of climate change on disaster. **07**
- (b)** Explain about disaster safe designs and constructions. **07**
- Q.4 (a)** Explain about IDNDR. **07**
- (b)** Explain about National Guidelines and Plans on Disaster Management. **07**
- OR**
- Q.4 (a)** Discuss in brief about mega disasters of India and lessons learnt from them. **07**
- (b)** Explain about role of Geo-informatics in disaster management. **07**
- Q.5 (a)** Explain about Hyogo Framework of Action. **07**
- (b)** Explain about Structural & Non Structural mitigation of disasters. **07**
- OR**
- Q.5 (a)** Explain about role of Government (local, state and national) agencies in disaster management. **07**
- (b)** Explain about S & T Institutions for Disaster Management in India. **07**
