

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2014****Subject code: 1724804****Date: 20-06-2014****Subject Name: Planning for Disaster Management****Time: 02:30 pm - 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) What is meant by disaster? Explain the relationship among hazard, vulnerability and disaster. **07**
- (b) What are the principles of disaster management? Discuss. **07**
- Q.2** (a) Enlist various natural hazards and discuss in brief their effect and impact on human settlements. **07**
- (b) Explain disaster management being practiced in India. **07**
- OR**
- (b) What is vulnerability assessment? Elaborate all types of vulnerability. **07**
- Q.3** (a) Discuss various measures to improve coping capacity of communities. **07**
- (b) Elaborate on framework for the state disaster management plan. **07**
- OR**
- Q.3** (a) What is the interrelationship between low cost housing and vulnerability? **07**
- (b) Narrate and explain in brief: various components of shelter for emergency. **07**
- Q.4** (a) Explain causes of floods and droughts. **07**
- (b) What is the role of NDMA and GSDMA? Discuss in detail. **07**
- OR**
- Q.4** (a) Describe an event of earthquake having national impact. **07**
- (b) What are the processes undertaken during stage of disaster mitigation? **07**
- Q.5** Prepare detailed notes on:
- (a) Incident command system. **07**
- (b) Components of a city disaster management plan. **07**
- OR**
- Q.5** Prepare detailed notes on:
- (a) Provisions of The Gujarat State Disaster Management Act, 2003 pertaining to urban planning. **07**
- (b) City emergency operations center. **07**
