

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – I • EXAMINATION – SUMMER • 2013****Subject code: 711404N****Date: 11-06-2013****Subject Name: Disaster Management****Time: 10.30 am – 01.00 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: **07**
Disaster Management, Hazard, Vulnerability and Risk.
- (b) Describe in detail the two man-made disasters. **07**
- Q.2** (a) Briefly discuss the disaster management cycle with the neat sketch. **07**
- (b) Explain the mitigation. **07**
- OR**
- (b) What are the four levels of input needed for disaster preparedness? Explain **07**
- Q.3** (a) Explain why the community-based approach needs to take into consideration the availability of resources. **07**
- (b) Describe how volunteer organizations have assisted your country in the latest disaster. **07**
- OR**
- Q.3** (a) Explain the relationship between preparedness and mitigation. **07**
- (b) What are the minimum requirements of standard emergency kit? Explain in detail. **07**
- Q.4** (a) What is Tsunami? Identify the causes, consequences and impact of tsunami waves. **07**
- (b) Explain the risk reduction measures that can be taken up to prevent severe damages. **07**
- OR**
- Q.4** (a) Define flood. List out some of the causes and adverse effects of floods. **07**
- (b) Explain rescue operations involved in disaster management. **07**
- Q.5** (a) Explain the main signs and symptoms of the communicable diseases commonly found in disaster situation. **07**
- (b) What are the steps required for creating public awareness regarding disaster management. **07**
- OR**
- Q.5** (a) Explain, water supply in disaster situation. **07**
- (b) Explain the major effects of disaster. **07**
