

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – WINTER • 2014

Subject code: 1724804

Date: 04-12-2014

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) Enlist the different types of disaster. Explain any two in detail. **07**
(b) What is vulnerability analysis? Explain in detail. **07**
- Q.2** (a) What is disaster management? Explain the need of disaster management in detail. **07**
(b) Explain disaster management cycle in detail. **07**
- OR**
- (b) What are the strategies for flood prone areas? **07**
- Q.3** (a) Describe the role of education in disaster reduction. **07**
(b) Define the earthquake and mention its causes and effects. **07**
- OR**
- Q.3** (a) Elaborate on the earthquake of Gujarat in 2001 in context of disaster planning. **07**
(b) Differentiate between disaster & hazard. **07**
- Q.4** (a) Enumerate roles and responsibility of various agencies for disaster management. **07**
(b) Describe the planning tasks for pre-disaster and post-disaster stages. **07**
- OR**
- Q.4** (a) Enlist different components of shelter for emergency. Explain them in detail. **07**
(b) Describe the emergency and temporary shelter design at post-disaster stage. **07**
- Q.5** (a) Explain low cost housing and vulnerability. **07**
(b) Define tsunami and mention its causes and effects. **07**
- OR**
- Q.5** (a) Mention various criteria for planning of Emergency operation center. **07**
(b) What is meant of SOP? Explain in detail. **07**
