

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
ME – SEMESTER 1 (NEW) – • EXAMINATION – WINTER - 2018

Subject Code:3700002

Date:05/01/ 2019

Subject Name: DISASTER MANAGEMENT

Time:02:30 PM TO 04:30 PM

Total Marks: 50

Instructions:

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

- Q.1** (a) What is disaster? Explain the different types of disasters and its causes. **05**
(b) Giving suitable example discuss the role of an engineer in case of any natural disaster. **05**
- Q.2** (a) What do you mean by earth quake? Enlist the different types and causes of earthquake. **05**
(b) Write a brief note about the prevention of floods. **05**
- OR**
- (b) Mention the different effects of landslide. Also explains various mitigation measures of landslide. **05**
- Q.3** (a) What is Droughts? Explain various types of droughts in brief. **05**
(b) Write a short note on paradigm shift in disaster management in India. **05**
- OR**
- Q.3** (a) Explain Risk Assessment and Risk Analysis. **05**
(b) Explain in detail about pre-disaster preparedness. **05**
- Q.4** (a) Describe the application of remote sensing and geological information system in disaster management and mitigation. **05**
(b) Discuss the role of the disaster management authorities in India. **05**
- OR**
- Q.4** (a) Write a short note on prevention and mitigation of disasters. **05**
(b) Discuss the disaster profile of India. **05**
- Q.5** (a) Write a short note on “Strategies for survival” **05**
(b) Explain about early warning and its dissemination system. **05**
- OR**
- Q.5** (a) Differentiate: **05**
(1) Disaster Management and Disaster Assessment
(2) Preparedness and Mitigation
(b) Enlist different effect of nuclear disaster. Also mention how to control the nuclear disaster. **05**
