

**GUJARAT TECHNOLOGICAL UNIVERSITY****ME – SEMESTER – I (Reg/Rem) & II (Rem)– EXAMINATION – WINTER-2019****Subject Code: 3700002****Date: 23-12-2019****Subject Name: Disaster Management****Time: 03:00 PM TO 05:00 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) Define the following terms : **05**  
 (1) Hazard (2) Emergency (3) Risk (4) Vulnerability (5) Mitigation
- (b) Explain various natural and manmade disasters in brief. **05**
- Q.2** (a) Describe disaster management cycle in detail. **05**  
 (b) Explain preparedness and various preparedness measures in brief. **05**
- OR**
- (b) What do you mean by earth quake? Enlist the different types and causes of earthquake. **05**
- Q.3** (a) Discuss about community mitigation goals and pre disaster mitigation plan. **05**  
 (b) Explain in detail about pre-disaster preparedness. **05**
- OR**
- Q.3** (a) What is GSDMA? Elaborate on its roles and responsibilities. **05**  
 (b) Discuss disaster management plan for Earthquake as disaster. **05**
- Q.4** (a) Write a short note on “Strategies for survival” **05**  
 (b) Write short notes on : **05**  
 (1) School based programmes (2) Methods of dissemination
- OR**
- Q.4** (a) What is Droughts? Explain various types of droughts in brief. **05**  
 (b) Explain about Emergency operational plan and structure of emergency operational plan. **05**
- Q.5** (a) Explain Risk Assessment and Risk Analysis. **05**  
 (b) Discuss the disaster profile of India. **05**
- OR**
- Q.5** (a) Describe the role of governmental and non-governmental organization in disaster management. **05**  
 (b) Describe the application of remote sensing and geological information system in disaster management and mitigation. **05**

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