

**GUJARAT TECHNOLOGICAL UNIVERSITY****ME – SEMESTER –II-(Old) EXAMINATION – SUMMER 2019****Subject Code: 2721412****Date: 14/05/2019****Subject Name: Disaster Management****Time: 10:30 AM TO 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) Elaborate the Disaster management cycle. **07**  
 (b) Narrate the work of National Disaster Management Framework in detail. **07**
- Q.2** (a) Explain briefly various phases of disaster management. **07**  
 (b) Describe disaster mitigation and various mitigation strategies. **07**
- OR**
- (b) Describe the role of information technology and its allied applications in disaster Management. **07**
- Q.3** (a) Expand the community based approach and its advantages in detail. **07**  
 (b) Discuss disaster management plan for Earthquake as disaster. **07**
- OR**
- Q.3** (a) What is Emergency operational plan and outline structure of emergency operational plan? **07**  
 (b) Define Livestock and its essential needs during disaster. **07**
- Q.4** (a) Prepare note on: **07**  
 1. Methods of dissemination, 2. Early Warning System  
 (b) Discuss disaster management plan for flood as disaster. **07**
- OR**
- Q.4** (a) Describe the role of geo informatics for disaster management and disaster assessment. **07**  
 (b) Brief out: **07**  
 1. Disaster Risk Reduction, 2. Volunteer Assistance
- Q.5** (a) Define the terms : **07**  
 1). Vulnerability 2). Emergency 3). Hazard 4). Risk 5). Recovery 6). Disaster management cycle 7). Mitigation  
 (b) Enlist stack holders of effective community based approach and detailing their roles. **07**
- OR**
- Q.5** (a) Explain various impacts of disaster on development program with suitable case-study. **07**  
 (b) Enlist and discuss disaster response activities. **07**

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