

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V(New) • EXAMINATION – WINTER 2016

Subject Code:2150003

Date:28/11/2016

Subject Name:Institute Elective - Disaster Management

Time:10:30 AM to 01:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.

- Q.1 Short Questions 14**
- 1 How disaster can influence the development ?
 - 2 Define Hazard and Risk with suitable example.
 - 3 Classify different types of disasters.
 - 4 Differentiate between disaster management and disaster assessment.
 - 5 Differentiate between preparedness and mitigation.
 - 6 Enlist various central agencies to monitor different disaster in India.
 - 7 Enlist and explain briefly the governing elements of emergency communication.
 - 8 List out various relief and rehabilitation activities during natural disaster .
 - 9 What is the role of EOC?
 - 10 Write the roles of NDMA , NDRF and SDRF.
 - 11 Highlight the disaster management act -2005 in brief.
 - 12 State various consequences of earth quake.
 - 13 What precaution can be taken for Fire Hazard in industries.
 - 14 How climate change can affect disaster ?
- Q.2 (a) Explain incident command system of disaster management in brief. 03**
(b) Signify the term Search and Rescue in disaster management. 04
(c) Discuss the disaster profile of India. 07
- OR**
- (c) Discuss the financial mechanism of disaster management in India. 07**
- Q.3 (a) Explain the role of district level administration for disaster management. 03**
(b) Describe the terms Risk mapping and Evacuation . 04
(c) Describe various phases of Disaster Management in detail. 07
- OR**
- Q.3 (a) Write a short note on Early warning system 03**
(b) Discuss briefly the disaster management of various Technological disasters 04
(c) Describe the national disaster management structure of India 07
- Q.4 (a) Describe various hydro-meteorological disasters. 03**
(b) Enlist and explain various types of capacity in brief. 04
(c) How Land use planning and development regulations can help for disaster management . Support your answer with suitable example. 07
- OR**
- Q.4 (a) Enlist various actions to reduce the effect of flood. 03**
(b) Define Vulnerability. Also explain physical and socio-economic vulnerability in detail. 04
(c) Justify the statement “ NGOs play key role in disaster management “ with suitable example. 07

- Q.5** (a) Discuss biological disaster and its prevention strategies. **03**
(b) Enlist various mega disasters of India and explain any one in brief. **04**
(c) Justify the statement “Disaster can effect various developments at considerable extent” with suitable examples. Support your answer with various risks associated with disaster **07**

OR

- Q.5** (a) Enlist and explain various Rescue stages in brief. **03**
(b) Explain the role of various components of Geoinformatics for disaster management. **04**
(c) Explain about disaster safe design and construction in detail. **07**
