

GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER-II(New course) EXAMINATION(Remedial) –WINTER 2015

Subject Code: 2722014

Date:14/12/2015

Subject Name: Disaster Management and Miligation

Time:2:30 Pm to 5:00 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)	What are the different effects of earthquake? Write the DO's and DON'T during an earthquake.	07
	(b)	Explain disaster management cycle with figure.	07
Q.2	(a)	What are industrial and chemical disasters? Mention different types of industrial disasters.	07
	(b)	Write a short note on International Decade on Natural Disaster Reduction (IDNDR), Yokohama Strategy and Hyogo framework of action.	07
		OR	
	(b)	Mention the various science and technology institution for disaster management in India.	07
Q.3	(a)	Explain about land use planning? What are the different features of land use planning?	07
	(b)	Explain (i) Types of remote sensing (ii) Data acquisition technique	07
		OR	
Q.3	(a)	Explain in brief about various structural and non-structural mitigation of disaster.	07
	(b)	What is an Emergency Response Centre (ERC)? Explain it in detail.	07
Q.4	(a)	Describe the application of remote sensing, geological information system and geographical positioning system in disaster management and mitigation.	14
		OR	
Q.4	(a)	Write a brief note on National policy on Disaster Management.	07
	(b)	Mention the role of central government and state government in disaster management.	07
Q.5	(a)	Write the basic concepts of risk assessment and vulnerability analysis.	07
	(b)	What is nuclear disaster? What causes nuclear disaster.	07
		OR	
Q.5	(a)	Define the terms capacity and capacity development. Also explain the main components of capacity development.	07
	(b)	Write a short note on disaster profile of India.	07