

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2024****Subject Code: 3150913****Date: 16-05-2024****Subject Name: Disaster Management****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

MARKS

Q.1	(a) What is GPS technology.	03
	(b) Explain Remote Sensing technology in brief.	04
	(c) Which are various types of disasters.	07
Q.2	(a) List mega disasters of India.	03
	(b) List lessons learnt from past disasters of India.	04
	(c) What are main clauses of DM Act 2005.	07
	OR	
	(c) Explain institutional and financial mechanism for disaster management in India.	07
Q.3	(a) Explain the role of NGOs in Disaster Management.	03
	(b) Explain role of Corporate Sector in DM.	04
	(c) Write note on NDRF (National Disaster Response Force)	07
	OR	
Q.3	(a) What is Early Warning in DM.	03
	(b) What is Risk Mapping? What is Zonation and Micro Zonation.	04
	(c) Draw and explain disaster management cycle.	07
Q.4	(a) What is meant by Climate Change.	03
	(b) Why international collaboration is important in DM.	04
	(c) What is importance of Communication in effective Disaster Management. How ISRO plays role for providing communication facility at the time of disaster.	07
	OR	
Q.4	(a) Define Disaster, Hazard and Vulnerability.	03
	(b) What is importance of learning Disaster management for Engineers.	04
	(c) List Do's and Don'ts during and after Earthquake.	07
Q.5	(a) What are possible causes of fire incidents in cities.	03
	(b) What are harmful effects of Forest Fire.	04
	(c) Which are types, causes and effects of Flood.	07
	OR	
Q.5	(a) What is Heat Wave and Cold Wave.	03
	(b) What are do's and don'ts before and during cyclone.	04
	(c) Explain how science and technology is used for Tsunami management.	07
