GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER- V EXAMINATION-SUMMER 2023

Subject Code: 3150913   **Date: 23/06/2023**

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

Q.1	**(a)**	Define following terms: Disaster,Disaster Management,Hazard, Vulnerability, Mitigation, Risk, Capacity, Early Warning	**07**
	(b)	Enlist major disaster incidents of India. Explain any one incident in detail.	**07**
Q.2	**(a)**	Which are the do's and don'ts during and after Earthquake.	**07**
	(b)	What is land slide? Which part of India are vulnerable for landslide? Which are the precautions to prevent land slide?	**07**

OR

	(b)	Describe early warning system for Tsunami? Which part of India is affected by Tsunami in 2004.	**07**
Q.3	**(a)**	Which are the precautionary measures to reduce damage due to flood.	**07**
	(b)	What is heat wave and cold wave. What actions are to be taken by government to reduce adverse effects of heatwave and cold wave.	**07**

OR

Q.3	**(a)**	What are the possible causes of forest fire? Which damages may occur due to forest fire?	**07**
	(b)	What are the possible causes, precautions and damages due to Nuclear Disaster.	**07**
Q.4	**(a)**	What is Climate Change? Increased number of disasters occur due to climate change. Justify this statement.	**07**
	(b)	Explain various stages of disaster management cycle in detail.	**07**

OR

Q.4	**(a)**	Describe non structural and structural mitigation measures for disaster management.	**07**
	(b)	What is the role of NDRF in disaster managemant?	**07**
Q.5	**(a)**	Write important provisions of disaster management act 2005	**07**
	(b)	What is the role of ISRO in disaster management.	**07**

OR

Q.5	**(a)**	What is Remote Sensing Technology? What are the applications of Remote Sensing Technology for DM?	**07**
	(b)	Which are various training institutes for disaster management in India? Explain their functions in detail.	**07**

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