

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V(NEW) EXAMINATION – SUMMER 2022****Subject Code:3150913****Date:02/06/2022****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 are the aims of disaster management?	03
	(b) Define the terms: Hazard, Vulnerability, Risk and Capacity?	04
	(c) Write a short note on paradigm shift in disaster management in India.	07
Q.2	(a) What are the main causes of landslides?	03
	(b) Write a brief note about the precaution of floods.	04
	(c) Enlist various remedial measures to be taken before, during, and after Earthquake.	07
	OR	
	(c) Enlist various causes of the tsunami. What steps you should take during and after tsunami to minimize the loss of lives and property?	07
Q.3	(a) Explain how to control biological disaster?	03
	(b) What preventive measures you will take to reduce the intensity of drought?	04
	(c) Enlist various technological disasters. Discuss the industrial disaster with one case study.	07
	OR	
Q.3	(a) What are the preventive measures against Mining disasters?	03
	(b) Write short notes on the early warning system.	04
	(c) Discuss the major features of emergency operation centre.	07
Q.4	(a) Describe the role of NDMA and NDRF for Disaster Management.	03
	(b) Explain Yokohama Strategy.	04
	(c) Write a short note on salient features of disaster management act, 2005.	07
	OR	
Q.4	(a) Describe the process of risk assessment.	03
	(b) What is the role of National Executive Committee (NEC) at state level and at district level?	04
	(c) Discuss the role of non-government agencies in disaster management.	07
Q.5	(a) Describe the role of DRDO and ISRO for disaster management.	03
	(b) Enlist S & T institutions for disaster management in India. Explain about any one S & T Institutions for Disaster Management in India.	04
	(c) Describe the usefulness of remote sensing and GIS.	07
	OR	
Q.5	(a) Write short note on role of information technology in disaster management.	03
	(b) Describe the role of GPS in management of disaster.	04
	(c) What is land use planning? What are different features of land use planning?	07
