

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V EXAMINATION – WINTER 2025****Subject Code:3150913****Date:17-11-2025****Subject Name:Disaster Management****Time:10:30 AM TO 01:00 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) Differentiate: Natural Disaster & Man-made Disaster.	03
	(b) Explain Risk and Risk management.	04
	(c) What is Hazard, Vulnerability and Capacity to cope up? Explain how they are inter related	07
Q.2	(a) Discuss about disaster awareness.	03
	(b) How NGOs participate in disaster management.	04
	(c) What is Disaster Management? Explain key stages of Disaster Management.	07

OR

Q.3	(c) Explain any two major disasters occurred in INDIA in detail.	07
	(a) State reasons for forest fire.	03
	(b) What is Avalanche? Give its causes.	04
	(c) Describe the steps in Preparedness for Flood Disaster.	07

OR

Q.3	(a) Explain in detail how to avoid road accidents.	03
	(b) Explain landslide disaster prevention and mitigation.	04
	(c) Explain the Earthquake and also give various steps for prevention and protection from Earthquake	07
Q.4	(a) What is disaster risk Assessment?	03
	(b) Explain importance of emergency operation Centre.	04
	(c) Explain Yokohama Strategy in detail.	07

OR

Q.4	(a) State role of NDRF.	03
	(b) Write a short note on paradigm shift in disaster management in India.	04
	(c) Explain International Decade for National Disaster Reduction (IDNDR).	07
Q.5	(a) Write the roles of NDMA regards to Disaster management in India.	03
	(b) What is the role of GIS in Disaster Management?	04
	(c) Discuss in brief the Disaster Management Act 2005.	07

OR

Q.5	(a) Enlist S&T Institutions for Disaster Management in India.	03
	(b) Explain role of an Engineer to deal with Disaster.	04
	(c) Importance of DRDO and ISRO for disaster management in India. Explain in brief.	07
