

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2024****Subject Code:3160622****Date:20-05-2024****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) Classify different types of disaster.	03
	(b) Define the term Disaster and describe Disaster management Cycle.	04
	(c) Describe natural disasters and man-made disasters.	07
Q.2	(a) Give a comprehensive list of various types of disasters.	03
	(b) How development may cause disasters?	04
	(c) Which are the effects of earthquake?	07
	OR	
	(c) What are the main objectives of YOKOHAMA strategy? Explain in brief.	07
Q.3	(a) Which are the causes of floods?	03
	(b) Discuss effects of Landslides.	04
	(c) What is tsunami? What are its causes?	07
	OR	
Q.3	(a) Describe the role of NDMA, NDRF and SDRF for Disaster Management.	03
	(b) Discuss the safety measures to avoid road accidents.	04
	(c) Enlist the technological disasters. Discuss any one such disaster.	07
Q.4	(a) Write short on: IDNDR	03
	(b) Write a note on Disaster profile of India.	04
	(c) Discuss about the Disaster Management Act 2005.	07
	OR	
Q.4	(a) Explain prevention and mitigation of disaster.	03
	(b) Explain Early Warning System (EWS).	04
	(c) What is climate change? Explain causes of climate change?	07
Q.5	(a) Describe the role of GPS in management of disaster.	03
	(b) What is role of GIS in disaster management?	04
	(c) Discuss in brief about mega disasters of India and lessons learnt from them.	07
	OR	
Q.5	(a) Enlist various losses due to flood and earthquake.	03
	(b) What is the significance of Land Use Planning and Development Regulations in Disaster Management?	04
	(c) Explain in detail disaster safe designs and constructions.	07
