

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2024****Subject Code:2150003****Date:18-05-2024****Subject Name:Institute Elective - Diaster 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) Define: (i) Disaster (ii) Vulnerability (iii) Risk	03
	(b) What do you mean by Hazards? Classify them.	04
	(c) Explain role of remote sensing and GIS in Disaster Management.	07
Q.2	(a) Differentiate between Geological Disasters and Biological Disasters.	03
	(b) Compare weather with climate. Write causes of climate change.	04
	(c) Explain various Hydro-Meteorological Disasters in details.	07
OR		
	(c) How will you carry out Rescue, Relief and Rehabilitation work in case of Major cyclone?	07
Q.3	(a) Write down the objectives of IDNDR.	03
	(b) Describe in brief the Disaster Management cycle with neat sketch.	04
	(c) Describe Yokohama Strategy in detail.	07
OR		
Q.3	(a) Explain four elements of Early warning system.	03
	(b) Describe Relief and Rehabilitation Approach in Disaster Management.	04
	(c) Discuss Hyogo Framework of Action.	07
Q.4	(a) Explain Role of Local Government in disaster management.	03
	(b) What are the functions of NDMA and NEC?	04
	(c) What lessons we have learnt from past disaster occurred in India?	07
OR		
Q.4	(a) List Major Disasters occurred in our country.	03
	(b) Explain Role of Central Government in any type of disaster occurred in country.	04
	(c) Discuss the Disaster Management Act 2005.	07
Q.5	(a) Why land use planning necessary in disaster mitigation?	03
	(b) Explain different software used in Disaster Management.	04
	(c) Explain S & T Institutions for Disaster Management in India.	07
OR		
Q.5	(a) Write short note on Tsunami Disaster Information Alert System.	03
	(b) How can we make buildings resistant to earthquakes with earthquakes engineering?	04
	(c) Explain Structural and Non Structural Mitigation of Disasters.	07
