

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER- V EXAMINATION – SUMMER 2020****Subject Code: 2150003****Date: 26/10/2020****Subject Name: INSTITUTE ELECTIVE - 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.

		MARKS
Q.1	(a) Define: 1. Disaster 2. Hazards 3. Vulnerability	03
	(b) Explain Natural disaster and man –made disaster.	04
	(c) Discuss disaster mitigation.	07
Q.2	(a) Discuss disaster major problems and difficulties in disaster preparedness.	03
	(b) What are the aims of disaster management?	04
	(c) Explain landslide disaster prevention and mitigation.	07
	OR	
	(c) Explain one hydro-metrological disaster in detail.	07
Q.3	(a) Explain in detail flood safe design with suitable example.	03
	(b) Importance of DRDO and ISRO for disaster management in India. Explain in brief.	04
	(c) Design criteria for earthquake resistance of the building. Explain in detail.	07
	OR	
Q.3	(a) Explain importance of disaster communication system.	03
	(b) Explain in detail working of GPS.	04
	(c) Explain about role of government agencies in disaster management at various levels.	07
Q.4	(a) Explain importance of emergency operation Centre.	03
	(b) Explain working of earthquake measuring device.	04
	(c) Explain procedure for capacity development in detail.	07
	OR	
Q.4	(a) Explain in detail how to avoid road accidents.	03
	(b) Explain reasons for forest fire.	04
	(c) Discuss in brief about mega disasters in India.	07
Q.5	(a) Explain Restoration of critical Infrastructure.	03
	(b) Discuss the role of NGO in case of disaster.	04
	(c) State the features of disaster management act.	07
	OR	
Q.5	(a) Explain in brief national policy on disaster management.	03
	(b) Explain prevention and mitigation of disaster.	04
	(c) Describe Covid -19 Pandemic in India.	07
