

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020****Subject Code:3150913****Date:22/01/2021****Subject Name:Disaster Management****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Differentiate: Natural Disaster & Man-made Disaster.	03
	(b) What is Drought? Explain various types of Droughts in brief.	04
	(c) Explain the Hazard in detail with its various types.	07
Q.2	(a) Enlist various indications of possible flooding.	03
	(b) Give classification of disasters with examples.	04
	(c) Explain the Earthquake and also give various steps for prevention and protection from Earthquake.	07
Q.3	(a) Enlist various types of Landslides.	03
	(b) What are the important causes of accidents in Mining?	04
	(c) Enlist and explain various considerations with reference to disaster safe design and construction for Earthquake and Flood.	07
Q.4	(a) Give the classification of various floods.	03
	(b) Discuss about (1) Predicting Earthquake (2) Consequences of Volcano	04
	(c) Explain the cyclone with its formation process.	07
Q.5	(a) What is Avalanche? Give its causes.	03
	(b) Give classification of Lightning.	04
	(c) Explain Forest fires and give precautions and measures for forest fires.	07
Q.6	(a) Give consequences and effects of Epidemics.	03
	(b) Write short note on National Disaster Management Policy.	04
	(c) Preventive and Protective Measures against Avalanche	07
Q.7	(a) Explain disaster risk mapping.	03
	(b) Explain Yokohama Strategy.	04
	(c) Explain disaster management cycle in detail with figure.	07
Q.8	(a) What is the role of National Executive Committee (NEC) at state level and at district level?	03
	(b) How can we make buildings resistant to earthquakes with earthquake engineering?	04
	(c) Explain various major disasters in INDIA in detail.	07
