

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

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