

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2021****Subject Code:2150003****Date:09/09/2021****Subject Name: Institute Elective - 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) Explain in brief importance of disaster management in the present scenario	03
	(b) Differentiate between (1) Thunder storms and hail storms (2) cold waves and heat waves	04
	(c) Explain with reference to earthquake (1) What is the difference between magnitude and Intensity (2) consequences of earthquake	07
Q.2	(a) Differentiate between natural disaster and manmade disaster	03
	(b) Explain plan of action for post – disaster damage and needs of assessment.	04
	(c) Discuss in brief about mega disasters of India and lessons learnt from them	07
OR		
	(c) Explain in brief about global disaster trends	07
Q.3	(a) Discuss the causes of forest fire	03
	(b) Explain in brief international decade for national disaster reduction.	04
	(c) Discuss in brief the latest disaster management act.	07
OR		
Q.3	(a) Explain in brief the causes of climate change	03
	(b) What is the importance of capacity development?	04
	(c) State various reasons and casualties of Kerala State monsoon 2018 disaster	07
Q.4	(a) Explain working of GPS.	03
	(b) What are the essential steps to be observed in earthquake resistant design of the building.	04
	(c) What are the main objectives of YOKOHAMA strategy? Explain in brief.	07
OR		
Q.4	(a) State the names of international organization for disaster.	03
	(b) Explain the functioning of national execution committee (NEC)	04
	(c) Which is the major chemical industrial catastrophe in India? Discuss in detail preparedness to combat such incident.	07
Q.5	(a) Explain wireless network for disaster	03
	(b) Give limitations of GIS in disaster management	04
	(c) Discuss use of geospatial techniques in case of earthquake disaster.	07
OR		
Q.5	(a) Explain satellite based weather warnings	03
	(b) What are common causes of rail accidents? What are its effects?	04
	(c) Discuss Hyogo framework	07