

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2024****Subject Code:3160622****Date:20-05-2024****Subject Name: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.

		<b>MARKS</b>	
<b>Q.1</b>	<b>(a)</b> Classify different types of disaster.	<b>03</b>	
	<b>(b)</b> Define the term Disaster and describe Disaster management Cycle.	<b>04</b>	
	<b>(c)</b> Describe natural disasters and man-made disasters.	<b>07</b>	
<b>Q.2</b>	<b>(a)</b> Give a comprehensive list of various types of disasters.	<b>03</b>	
	<b>(b)</b> How development may cause disasters?	<b>04</b>	
	<b>(c)</b> Which are the effects of earthquake?	<b>07</b>	
<b>OR</b>			
<b>Q.3</b>	<b>(c)</b> What are the main objectives of YOKOHAMA strategy? Explain in brief.	<b>07</b>	
	<b>(a)</b> Which are the causes of floods?	<b>03</b>	
	<b>(b)</b> Discuss effects of Landslides.	<b>04</b>	
<b>Q.3</b>	<b>(c)</b> What is tsunami? What are its causes?	<b>07</b>	
	<b>OR</b>		
	<b>Q.3</b>	<b>(a)</b> Describe the role of NDMA, NDRF and SDRF for Disaster Management.	<b>03</b>
<b>Q.4</b>	<b>(b)</b> Discuss the safety measures to avoid road accidents.	<b>04</b>	
	<b>(c)</b> Enlist the technological disasters. Discuss any one such disaster.	<b>07</b>	
	<b>Q.4</b>	<b>(a)</b> Write short on: IDNDR	<b>03</b>
<b>Q.4</b>	<b>(b)</b> Write a note on Disaster profile of India.	<b>04</b>	
	<b>(c)</b> Discuss about the Disaster Management Act 2005.	<b>07</b>	
	<b>OR</b>		
<b>Q.4</b>	<b>(a)</b> Explain prevention and mitigation of disaster.	<b>03</b>	
	<b>(b)</b> Explain Early Warning System (EWS).	<b>04</b>	
	<b>(c)</b> What is climate change? Explain causes of climate change?	<b>07</b>	
<b>Q.5</b>	<b>(a)</b> Describe the role of GPS in management of disaster.	<b>03</b>	
	<b>(b)</b> What is role of GIS in disaster management?	<b>04</b>	
	<b>(c)</b> Discuss in brief about mega disasters of India and lessons learnt from them.	<b>07</b>	
<b>OR</b>			
<b>Q.5</b>	<b>(a)</b> Enlist various losses due to flood and earthquake.	<b>03</b>	
	<b>(b)</b> What is the significance of Land Use Planning and Development Regulations in Disaster Management?	<b>04</b>	
	<b>(c)</b> Explain in detail disaster safe designs and constructions.	<b>07</b>	

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