Seat No.: _____

Subject Code: 2150003

Enrolment No._____

Date:08/05/2017

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (NEW) - EXAMINATION - SUMMER 2017

Tin	Subject Name: Disaster Management Time:02:30 PM to 05:00 PM Instructions: Total Marks: 70				
111511	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.			
Q.1		Short Questions	14		
	1	Define the term Vulnerability with suitable example.			
	2	Justify the statement "Development process modify natural hazard ".			
	3	Explain the term Urban Flooding and its impacts.			
	4	What are geological hazards and explain them in brief.			
	5	Discuss manmade disaster with suitable example.			
	6	Enlist various pre-disaster activities to reduce human and property losses.			
	7	Discuss the term risk mapping.			
	8	Explain the features of Yokohoma strategy in brief.			
	9	Enlist and categorized various categories of cyclone as per IMD.			
	10	Enlist various causes of Tsunami.			
	11	Discuss the role of GIS for disaster management.			
	12	Discuss DCWDS, MSS and AES-SNG			
	13	Explain the prevention of Biological Disaster.			
	14	Discuss about Incident Command System.			
Q.2	(a)	Discuss about Disaster Awareness.	03		
	(b)	What is Drought? Explain various types of Droughts in brief.	04		
	(c)	Describe the role of District and Sub-district administration in disaster management.	07		
		OR			
	(c)	How do you carry out Mapping of prominent disaster prone area? Also discuss the factors affecting such mapping.	07		
Q.3	(a)	Enlist various indications of possible flooding.	03		
	(b)	Discuss about	04		
		(1) Predicting Earthquake (2) Consequences of Volcano			
	(c)	Enlist and explain various considerations with reference to disaster safe design and construction for Earthquake and Flood.	07		
		OR			
Q.3	(a)	Enlist and define various phases of disaster management cycle.	03		
	(b)	State the role of NDMA and SDRF in disaster management.	04		
	(c)	How Economic and Social development does increase disaster risk?	07		

Q.4	(a)	Explain about Search and Rescue activity and its objectives.	03
	(b)	Discuss about climate change and urban disaster.	04
	(c)	State the contribution of development planning in incorporating disaster risk with suitable example.	07
		OR	
Q.4	(a)	Enlist various work place fire hazards.	03
	(b)	Classify various types of capacity under capacity development	04
	(c)	Describe about Early warning system. Also discuss about elements of Early	07
		warning system.	
Q.5	(a)	Enlist various losses due to Flood and Earthquake.	03
	(b)	State the application of science and technology for disaster management.	04
	(c)	Discuss national guidelines on Disaster management.	07
		OR	
Q.5	(a)	Describe initial development stage of Cyclone and mature tropical Cyclone.	03
	(b)	State the application of Geoinformatics for disaster management.	04
	(c)	Discuss about features of Disaster Management Act-2005 in detail.	07
