Se	eat No	Enrolmer	nt No	
		GUJARAT TECHNOLOGICAL UNIVEI	RSITY	
		BE - SEMESTER-V(New) • EXAMINATION - WINT	ER 2016	
S	uhie	ct Code:2150003	Date:28/11/2016	
	•		Dutc.20/11/2010	
	-	ct Name:Institute Elective - Disaster Management	T-4-1 M1 70	
		10:30 AM to 01:00 PM	Total Marks: 70	
In	struc			
		 Attempt all questions. Make suitable assumptions wherever necessary. 		
		2. Make suitable assumptions wherever necessary.		
Q.1		Short Questions	1	14
۷.1	1		•	
	1	How disaster can influence the development?		
	2 3	Define Hazard and Risk with suitable example.		
	3 4	Classify different types of disasters.	ant	
	5	Differentiate between disaster management and disaster assessm Differentiate between preparedness and mitigation.	ent.	
	6	Enlist various central agencies to monitor different disaster in In	dia	
	7	Enlist and explain briefly the governing elements of emergency		
	8	List out various relief and rehabilitation activities during natural		
	9	What is the role of EOC?		
	10	Write the roles of NDMA, NDRF and SDRF.		
	11	Highlight the disaster management act -2005 in brief.		
	12	State various consequences of earth quake.		
	13	What precaution can be taken for Fire Hazard in industries.		
	14	How climate change can affect disaster?		
Q.2	(a)	Explain incident command system of disaster management in br	ief.)3
	(b)	Signify the term Search and Rescue in disaster management.	()4
	(c)	Discuss the disaster profile of India.	()7
		OR		
	(c)	Discuss the financial mechanism of disaster management in Indi	a. ()7
Q.3	(a)	Explain the role of district level administration for disaster mana	gement. ()3
	(b)	Describe the terms Risk mapping and Evacuation.	()4
	(c)	Describe various phases of Disaster Management in detail.	()7
	, ,	OR		
Q.3	(a)	Write a short note on Early warning system	()3
	(b)	Discuss briefly the disaster management of various Technologic	al disasters ()4
	(c)	Describe the national disaster management structure of India)7
Q.4	(a)	Describe various hydro-meteorological disasters.)3
£	(b)	Enlist and explain various types of capacity in brief.)4
	(c)	How Land use planning and development regulations can help for)7
	(0)	management . Support your answer with suitable example.	or anomore (
		OR		
Q.4	(a)	Enlist various actions to reduce the effect of flood.	ſ)3
V. T	(a)	Limbe various actions to reduce the effect of flood.	·	, ,

(b) Define Vulnerability. Also explain physical and socio-economic vulnerability in detail.

Justify the statement "NGOs play key role in disaster management" with suitable example.

04

07

Q.5	(a)	Discuss biological disaster and its prevention strategies.			
	(b)	Enlist various mega disasters of India and explain any one in brief.			
	(c)	Justify the statement "Disaster can effect various developments at considerable extent" with suitable examples. Support your answer with various risks associated with disaster	07		
		OR			
Q.5	(a)	Enlist and explain various Rescue stages in brief.	03		
	(b)	Explain the role of various components of Geoinformatics for disaster management.	04		
	(c)	Explain about disaster safe design and construction in detail.	07		
