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Rol	I No.	Total No. of Pages: 01
Tot	al No. of Questions: 08	
	M.Tech.(CTM) (E-IV) (Sem.	•
	DISASTER REDUCTION AND MAN	IAGEMENT
Subject Code: CT-515		
Tim	Paper ID: [E0819] e: 3 Hrs.	Max. Marks: 100
	FRUCTIONS TO CAMBIDATES.	
1NS I	TRUCTIONS TO CANDIDATES: Attempt any FIVE questions in all.	
2.	Each question carries TWENTY marks.	
Q1	a) Explain the Seismic design philosophy for design of stru	ctures. (8)
	b) Discuss codal provisions for earthquake resistant design	of structures. (12)
Q2	a) What is Retrofitting? Discuss its importance.	(10)
	b) Discuss the importance and application of proper land us	,
Q3	a) What kind of emergency medical and public health se earthquake affected area?	rvices, you will suggest for an (10)
	b) 'Care for old and orphans is very important during an and discuss steps you will take for this task.	d after an Earthquake'. Justify (10)
Q4	a) Discuss the various causes and effects of Tsunamis.	(10)
	b) Landslides and Avalanches are likely to occur during disto avoid these? What steps will you recommend after avalanches?	
Q5	a) As a consequence of earthquake, Fire is likely to occur. you will adopt to control/combat Fire,	Discuss the remedial measures, (10)
	b) Discuss the bad effects of nuclear radiation on human be	ings. (10)
Q6	a) Discuss vulnerability and capacity assessment. Explain it	es aims and perspectives. (10)
	b) 'There is a need for rescue operations in response phase your views and Justify with reasons.	e of disaster management' Give (10)
Q7	a) Define the role of Remote sensing in disaster management	nt. (10)
	b) What are responsibilities of National Disaster Manageme	ent Authority? (10)
Q8	a) List various attributes of emergency management system	i. (10)
	b) Write a note on 'Information management and related to disaster management'.	echnologies in engineering and (10)