Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V EXAMINATION - WINTER 2015

Su	bject	Code: 150606 Date: 14/12/2015	
Su	bject	Name: Disaster Assessment Using Geospatial Techniques	
	me: 1 tructio	10:30am to 1:00pm Total Marks: 70 ons:	
	1. 2. 3.		
Q.1	(a) (b)	What are the applications of and GIS in Disaster management How is Remote Sensing useful during disaster?	07 07
Q.2	(a) (b)	What is Disaster? Explain the types of disaster in brief. What is sensors? Explain types of sensors. OR	07 07
	(b)	How is data reception, transmission and processing done in remote sensing?	07
Q.3	(a) (b)	Distinguish between supervised and unsupervised classification. State and explain different types of image resolution. OR	07 07
Q.3	(a) (b)	What are the elements of visual interpretation of an image? What are the image processing function? Explain image enhancement.	07 07
Q.4	(a) (b)	Explain microwave remote sensing. What are the basic concepts of GPS? Also state the components of a GPS. OR	07 07
Q.4	(a) (b)	What a the components of a GIS? What are the spatial data models? Explain them.	07 07
Q.5	(a) (b)	Write note on Database management system. Write note on GIS software.	07 07
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Q.5	(a) (b)	Write note on Indian Space Program. Write note on DGPS.	07 07
