GUJARAT TECHNOLOGICAL UNIVERSITY ME - SEMESTER- I (New course)• REMEDIAL EXAMINATION – SUMMER 2015 Subject Code: 2713304 Date:15/05/2015				
Su Su Ti Ins	Subject Voter 2/10001 Subject Name: Remote Sensing & Its Application Time: 10:30 am to 1:00 pm Instructions: Total Marks: '		70	
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Describe various applications of remote sensing in Civil Engineering. Explain	07	
	(b)	Explain the ideal remote sensing in detail.	07	
Q.2	(a)	How GIS can be integrated to Remote sensing ?Support your answer with one of	07	
	(b)	Discuss the EMR interaction with earth surface material. Draw necessary sketch for the explanation.	07	
		OR I I I I I I I I I I I I I I I I I I I	07	
	(b)	Explain EMR Spectrum with sketch. How it can be used for remote sensing?	07	
Q.3	(a)	Enlist and explain various advantages of GIS. Also explain various components of GIS.	07	
	(b)	Discuss the role of supervised and unsupervised classification in remote sensing with suitable example.	07	
Q.3	(a)	OR What does visual image interpretation mean? Enlist and explain various keys of	07	
	(b)	image interpretation. Explain the concept of True and False colour composite used in remote sensing.	07	
Q.4	(a) (b)	Describe the Ground truth Study with suitable example. Discuss the role of GPS in application of remote sensing with example.	07 07	
Q.4	(a) (b)	Explain the term Georeferencing .Discuss various methods of Georeferencing, Write short note on : (1) NRSA (2) Space borne platform of Remote Sensing	07 07	
Q.5	(a) (b)	Discuss Resampling and its various methods used in detail. Describe the application of remote sensing in environmental management in detail.	07 07	
05	(e)	OR Discuss Geometric correction Atmospheric correction and Image enhancement	07	
Q.3	(a)	briefly.	U/	
	(b)	Describe the application of remote sensing in hydrology in detail.	07	
