Seat No.:	Enrolment No.	
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Subject code: 140604

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-IV Examination June-2010

Subject Name: ENGINEERING GEOLOGY

Date:	22	/06 /2010 Time: 10.30 am – 01.00 pm Total Marks: 70	
Instr	uct	ions:	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a)	What is crystal? Explain crystallographic axes and elements of symmetry of a crystal.	07
	(b)		07
	(b)		07
Q.3	(a) (b)		07 07
Q.3	(a)		07
	(b)		07
Q.4	(a) (b)		07 07
Q.4	(a) (b)		07 07
Q.5	(a)	What is remote sensing? Explain the application of remote sensing in engineering geology.	07
	(b)	Explain geological problem of dam sites situated on rocks dipping upstream, dipping downstream and folded.	07
o -		OR	•
Q.5	(a)		04
	(b)	· · · · · · · · · · · · · · · · · · ·	05 05
	(c)	Describe color and streak properties of a fillneral.	U