Seat No.:	Enrolment No.
Seal NO	Enfollment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-Vth Examination December 2010

Subject code: 150905 Subject Name: SWITCHGEAR

Date:	20 /1	2 /2010 Time: 03.00 pm - 05.30 pm Total Marks: 70	
Insti	ructi	ons:	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	1 3	07 07
Q.2	(a) (b)	1	07 07
	(b)		07
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Q.3	(a)	Explain The Construction, Working Principle ,Merits and Demerits of Air Break Circuit Breakers.	07
	(b)	Explain The Construction, Working Principle ,Merits and Demerits of Air Blast Circuit Breaker.	07
		OR	
Q.3	(a)	Explain The Modification of Circuit Breaker Duty By Shunt Resistors and Series Resistors.	07
	(b)	Explain The Construction, Working Principle ,Merits and Demerits of Minimum Oil Circuit Breaker.	07
Q.4	(a)	Explain The Properties of SF6 gas in Recent Developments of Circuit Breaker.	07
	(b)		07
Q.4	(a) (b)	1	07 07
Q.5	(a)	Classify The Different Testing Carried Out On Circuit Breakers and Explain Any Two of Them.	07
	(b)	•	07
Q.5	(a) (b)	Explain the Direct Testing And Indirect Testing of the Circuit Breakers.	07 07