Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER – VI • EXAMINATION –Summer- 2015

Subject Code: 160803			Date: 08/05/2015	
Tir	ne: 10 ructio 1. 2.	Attempt all questions.	: 70	
Q.1	(a) (b)	Derive the necessary formula of Rate of Rise of Restriking Voltage [RRRV] Explain Construction, Working Principle and characteristics of HRC Fuse.	07 07	
Q.2	(a) (b)	Explain Construction, Working Principle of Vacuum circuit Breaker. Explain Construction, Working with Advantages of Air Blast Circuit Breaker. OR	07 07	
	(b)	Write a short note on Instrument Transformers.	07	
Q.3	(a) (b)	Explain working principle of current transformer and potential transformer. Explain the ratio error and phase angle error of current transformer. OR	07 07	
Q.3	(a) (b)	Explain Balanced Beam type relay. Explain Different Characteristic of distance relay.	07 07	
Q.4	(a) (b)	Difference between Static and Conventional [Electromagnetic] relay. Explain the faults and abnormalities of Generator. Explain Restricted Earth Fault Protection of Generator.	07 07	
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Q.4	(a) (b)	Explain Buchholtz relay protection. Explain Differential Protection and Biased differential Protection.	07 07	
Q.5	(a) (b)	Explain Translay relay with necessary diagram. Explain method of Neutral Grounding Explain any two with Advantages. OR	07 07	
Q.5	(a)	Explain function of Lightning Arrester. Explain Different types of Lightning Arrester.	07	
	(b)	Explain Bus-bar Protection in Detail.	07	
