	Reg. No. :	12. 30. With pass distraction on
ayator	Question Paper Code:	50494
B.E./B.Tecl	h. DEGREE EXAMINATION, NOVEME Seventh Semester Electrical and Electronics Engine EE6702 – PROTECTION AND SWITT (Regulations 2013)	eering
Time: Three Hou	urs implement to proceeding both chart with	Maximum: 100 Marks
	Answer ALL questions	
	PART – A	(10×2=20 Marks)
1. What is prim	nary protection ?	
2. Give the type3. Write the tor		b). Deporthe the operation the al- the al-Westerdorf named at i i Caregos chapping
4. Give the prin	nciple of negative sequence relay.	
5. Why seconda	ary of transformer should not be opened?	GIO
6. List the type	es of busbar protection.	
7. Define statio	c relay.	
8. What is pha	se comparator?	
9. State the sle	epian theory for arc interruption.	
10. Define symi	metrical breaking capacity.	

b) What are the essential qualities of protective relay? Explain in detail.

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2. a) With neat dia	gram explain the	various types of	electromagne	tic relays.
	(OR)			
b) Describe the co	onstruction and pr	rinciple of operati	ion of non-dire	ctional Induction
type over curr	ent Relay.			
3. a) Give a brief ac differential pr	count on the prote otection scheme.	ection of generate	or using differe	ential and biased
	(OR) (810			
b) Give a brief ac	count on the fault	ts and protection	of transforme	ers. old and Taxar
4. a) Explain with advantages ar	neat block diagr nd disadvantages.		on of static re	elay and list the
	(OR)			
b) Describe the o	peration of static	over current rel		iagram
			allui	2. Give the types in
 a) Write short no i) Current ch 				
ii) Resistance				
	(0.7)			a. Why secondary
b) Describe the co				
		5,0013	Bulebur probec	to negge and Just 10
		e intercuption.		S. State the slepton
			oilom auocaci (HO)	
		dities of protecti		b) What are the
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