T.E. Electrical VI CBGs

Q.P. Code: **6257**

			9	(3 Hours)	[Total Marks :80
N.E	3. :	(1) Q	uestion No.1 is co	ompulsory	
		(2) Se	olve any three qu	estions out of remaining	
		(3) A	ssume the suitabl	e data if required and specify th	ne same
					.60
1.	So	lve the	following question	ons	
		(a)		maximum power transfer capa	ability of a line 5
		(b)	Discuss the coro		5
		(c)	What the role of	tower footing resistance	5
		(d)	Discuss the term	transient.	5
2.	(a)	Disc	uss the short circ	uit of synchronous machine at	loaded condition. 10
	(b) Discusses the transients on transmission line		10		
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3.	(a)	Deri	ve the equation for	or fault current for LLG fault	10
	(b)	1 12.2 (COMPANIE OF COMPANIE O			
4.	(a)				10
	(b)			rrent wave on an short 10	
		circ	uit transmission li	ne	
5.	(a)	Disc	cuss the surge pro	tection of totating machines an	d transformer. 10
	(b)			es and disadvantages of corona	
			0.	The second secon	
6.	(a)	Disc	cus the effect of le	ength and power factor on perfe	ormance of line 10
	(b)	A st	urge of 100 KV :	raveling on the line of natural	impedance 600 ohm 10
				with two lines of impedances 8	
		112	2000	surge voltage and the current	transmitted into each
		bran	ich of line.		