EEE IVE

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Code No: 58008 COMENT OF THE CONTROL B. Tech IV Year II Semester Examinations, May - 2016 **HVDC TRANSMISSION**

(Electrical and Electronics Engineering)

Time: 3 Hours	s	(Max. Marks: 75	
	A		Five Questions arry Equal Mar	·ks	N X X X + 0 N X X + 0 N X X + 0 N X + 0 X N X + 0 X	
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1. With no	eat sketches explanerits of each type	in the different le.	kinds of D.C. lir	nks available and	ist out merits	
b) What i	n the characteristic s meant by firing tage and current in	g angle delay a	and commutation	on delay? Draw t= 30° , $\mu=15^{\circ}$.	he wave forms [7+8]	
b) Draw	s in detail the effe and explain a b ission system.	ct of source indu lock diagram	uctance on HVD of a Hierarchi	OC systems. cal level of con	trol of HVDC [7+8]	
	n the reactive pownalysis justify the ter station.					
b) Classif	are simultaneous a Ty the solution met	thodology for A	C-DC load flow	and explain.	[8+7]	
6. Discus	s the various fault	s exist in conve	rter protection. I	Explain the suppre	ession methods.	
	are the differen? Explain in detail		onsiderable har	monics generated	d by converter	
b) What d	do you understand is, obtain equation	by characteristi	cs harmonics in	HVDC system? mers connected to	Using Fourier 12-pulse [7+8]	
	are the various s? Explain them i		ters that are	employed in H	VDC converter	
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