

Internal Assessment Test – I

Sub:	FACTS AND HVDC TRANSMISSION					Code:	15EE751
Date:	22/09/2018	Duration:	90 mins	Max Marks:	50	Sem:	7
						Branch:	EEE
Answer Any FIVE FULL Questions							

		Marks	OBE	
			CO	RBT
1	Explain in detail the various types of FACTS controllers	[10]	CO2	L2
2a	Describe the factors that limits the loading capability of a transmission line?	[5]	CO1	L2
2b	Write a note on relative importance of controllable parameters.	[5]	CO1	L1
3	Justify how reactive shunt compensation in a transmission line increases the transmittable power.	[10]	CO3	L3
4	Identify how TCR can be effectively used to damp oscillations in power system.	[10]	CO3	L3

**P.T.O**

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6	How can you eliminate harmonics using TCR?	[10]	CO3	L1
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