			P6	P6	PO	P6	[_
Code No: 137Co		2 1	+05A02	,		R16	
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, December - 2019 FLEXIBLE A.C. TRANSMISSION SYSTEMS							
Time:	3 Hours	FLEXIBLE A	.C. TRANSMI	(SSION SYSTEM cs Engineering)	\Box	Marks: 75	
Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b as sub questions.							
P6	P6	P6	-PART - A	P6	P6	(25 Marks)	ļ.
1.a) b) c) d) e) f) g) h) i)	Write some of Explain basic p Brief the conce What is the ba Write Objectiv Draw the VI c Define Static s Enumerate the	the applications of the ap	of FACTS contingers of source conversed to the source conversed to the source continues of the source continues cont	eneration	P6	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3]	
P6	P6	PS	PART - B	P6	P6	(50 Marks)	_
2.a) b)	List out variou Write down th	us FACTS contro ne importance of o	llers with their o controllable para OR	control attributes.		[5+5]	
3.a) b) 4.	Describe the in	mportance of diff	it the loading ca erent types of F 	pabilities of transn ACTS controllers.	DA	[5#5]	
5.a) b)	Compare curre Explain the pr	ent source conver inciple of 3-level	OR ter with voltage voltage source	e source converter. converter.		[5+5]	
P6.	Discuss the ter a) Compensate b) Power Oscil	ms in detail: or Requirements llation Damping.	P6 or	P6	P6	[5+5]	
7.a) b)	With a neat ske Write short no	etch, explain the tes on Improvem	working of hyb ent of Transien	rid var generators. t Stability.		[5+5]	
P6	P6	P6	P6	P6	P6	P6	

