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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)															
вт	ech IV	Year I	l Som	astar	Δdv				,	v Ex	amina	ations	Octobe	r-2020	
0.1	CONTV	i cai i					-	-	N & N	-			Octobe		
(Electronics & Communication Engineering)															
Time:	3 hours	5							-	-		Max	. Marks:	60	
(Answer all Five Units $5 \times 12 = 60$ Marks)															
	UNIT-I														
1				owing Examples of Wireless Communication Systems in detail.											
	i) Paging Systems												6M 6M		
	11)	ii) cordless telephone Systems OR													
2															
	i) TDMA											6M			
	ii) CDMA UNIT-II													6M	
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4	-			il the	smal	l scal	e mu	ıltipat	h pro	pagat	ion a	nd its	differen	t 8M	
	Measurements. b Discuss Paylingh & Piccan distributions												4M		
	b Discuss Rayliegh & Ricean distributions. UNIT-III													4171	
5	Explai	in the f	ollowi	ng in d	detail		0112								
	-	i) Decision Feedback Equalization (DFE)												6M 6M	
	ii)	ii) ML Symbol Detection. OR													
6	Explai	in the f	ollowi	ngind	detail		U	ĸ							
-	-	Least		-			n (LM	(S)						6M	
	ii)	Recur	sive L	east S	quare	s Algo			S).					6M	
_	-	UNIT-IV Explain the challenges in Multicarrier systems.													
7	-	olain th aw and		-				-		tion O		wetom		4M 8M	
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8		-		-	of mı	ılticar	rier	modu	lation	techi	niques	s in OF	DM wit	h 6M	
		table di	0			h han	. d: d	1.h 10		and n		n of an	h comi on	s 6M	
		b Given an OFDM system with bandwidth 10MHz and number of subcarriers 1024.The cyclic prefix comprises of 1/8 of number of samples from the tail													
		of OFDM symbol prefixed in the front. Calculate the total time of the resulting													
OFDM with cyclic prefix.															
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10		olain th							l fixed	telep	hone	networ	·k.	6M	
	b Exp	olain th	e mob	ile IP	opera									6M	
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