

Reg.	No:													
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR														
	01222							OMOL				001010		
	В.	Tech I	V Yea	r II S	emes	`				tions	s Sep	tember 20	020	
			WI	RELE	SS C	OMM	UNIC	CATIC	)N &	NETV	VORI	KS		
				(Elec	tronic	s & C	ommu	inicati	on En	gineer	ing)			
Time:	Time: 3 hoursMax. Marks: 60													
				(4	Answe	r all F	ive Uı	nits <b>5</b> :	x 12 =	60 M	arks)			
				Ì				NIT-I			,			
1														<b>6M</b>
	<b>b</b> What is frequency reuse concept? Take the following 'N' values and discuss													6M
about the concept. a) $N = 4$ b) $N = 7$													0111	
2	Comp	ara Rat	woon	EDM	א תיד			OR	۸۸					12M
	2 Compare Between FDMA, TDMA, CDMA, and SDMA. UNIT-II													12111
3	<b>a</b> Exr	olain th	e Free	snac	e nror	nagati								6M
c	-	<ul><li>a Explain the Free space propagation model?</li><li>b Explain three different propagation mechanisms.</li></ul>												6M
	OR													
4	<b>a</b> Explain in detail the indoor & outdoor propagation model.												6M	
	ite shoi	rt note	es on s	small	7					6M				
<b>UNIT-III</b> 5 Explain in detail about Linear Equalizers of the following with neat diagram.														
5	Explai												m.	12M
	i) Linear Transversal Equalizer ii) Lattice Equalizer <b>OR</b>													
6														12M
		i) Max	kimal r	atio (	Combi	ner		F		ing D	iversi	ty		12111
								IT-IV	4					
7			-			ubcarı	riers u	ising t	the IF	FT wi	th a no	eat diagrai	m.	8M
	b Wh	at is Ve	ector (	Coding	<u>;</u> ?			OD						<b>4</b> M
8	a Fyr	lain al	out th	e nar	amete	ors rea		<b>OR</b> l for O	FDM	svstei	n desi	iσn		6M
U	-	<ul><li>a Explain about the parameters required for OFDM system design.</li><li>b Draw the block diagram of OFDM transmitter and receiver. Explain them in</li></ul>												
detail.												1		6M
							UN	NT-V						
9	-	olain th						s and [	PSTN.					<b>6M</b>
	<b>b</b> Ela	b Elaborate packet switching Network.												6M
10	Comp	are the	norfo	rman	co of '	10.20		OR virolo	no not	world				121/
10	comp	are the	perio	man	LE 01.	10, 20	, 5G V	vireles	ss net	WOLKS				12M

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