		I Ticket Number :			<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>	_		R-15		
	Jour	IV B.Tech. II	Sem	est	er Si	Jpp	lem	ento	ary E	Exar	ninc	ition	s Jul	y 202	21		
			lirele						-					,			
		(Ele	ectro	nics	anc	d Co	omm	unic	atio	n Er	igine	erin	g)				
		Marks: 70								,			,		me:3H		
F	\nsw	er any five full que	estion	s dy	' Cho	osin	g on *****		estio	n fro	m eo	ach i	unit (5X14	= /0 Mo	arks)	
															Marks	co ^I	Ы
							- .								Marito	00	L
	a)	What are the limitat	ione	of cou		UN		bon		tom?		oribo	thour	vrioue			
•	a)	generations of wire					•		- 3y3	ien:	Des	CIDE		inous	7M		
	b)	What is the use of							What	: type	e of a	ccess	s tech	nique			
	,	is used in G S M. E	-				-			,,				•	7M		
							OR										
	a)	Listing any 4 types of wireless communication systems, explain in detail with respect to the advantages and disadvantages offered by each of them Justify															
		why you feel mobile	-				-	-		-				-	61//		
		society.	00111	man	louid	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0 000	nout	, na i		0000	anot		ouom			
	b)	What is packet rad	io pro	toco	l? Ex	plain	pure	and	slott	ed A	loha	n det	ail?		8M		
						UNI	T–II										
5.	a)	With block diagram	ı, expl	lain t	he fi	rst ge	enera	tion o	of cel	lular	radic	netv	vork.		6M		
	b)	What are the diffe	rent c	lass	es of	f ser	vice	orovi	ded I	by S	SCP	P Her	nce ex	kplain			
		what you understar	nd by	the t	terms			onles	S CO	nnec	tion-o	prient	ed.		8M		
	2)	Evoloin in datail ha		ttio r	outio						t	vorko			7M		
•	a) b)	Explain in detail ho				•	•				sneu	VOIKS	i		71vi 7M		
	b)	Draw a figure of SS	si più	1000				expi	ann	•					7 171		
5.	a)	Describe the three	WTP	Trar	L	UNI ion (es th	at ma	av he	invo	ked h	w WS	P	7M		
	b)	What are the variou								•			•				
	0)	Elaborate.			Jinpo			, , , , , , , , , , , , , , , , , , ,	1000	, pp	loane		vii or ii		7M		
						(OR										
.	a)	Explain the two Mo			egistr	ation	Mes	sage	s cai	ried	in U[)P se	gmen	ts for			
		the registration ope													6M		
	b)	Explain the WAP P	rotoco	ol St											8M		
	,				L	UNI	T–IV								-14		
	a)	Describe Spread s					-1 - 1 - 1								7M		
	b)	Explain the frame f	ormat	tor	802.1			Ι.							7M		
5.	a)	OR Discuss in detail the three transmission techniques commonly used for IR data															
•	α)	transmission.	0 1110			10010					ony			uata	7M		
	b)	What are the different modes of 802.11 architecture? Which mode can be used											used				
		to obtain a higher o	covera	age a	area a	and h	now?								7M		
						UNI											
).	a)	Which are the th							nat s	speci	fy a	prot	ocol	stack			
	F.)	corresponding to th				-				J					7M		
	b)	Explain the location	1 and	nano	doff r		igeme DR	ent p	oceo	ures	s in G	rks.			7M		
).	a)	Explain the Physica	al eler	nent	s the			o th≏	СПР	Dar	chiter	tur≏			7M		
•	a) b)	With a figure, expla					•								7M		
	~)					2000	***		1	/					7 1 1 1		