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Registration No :														
Total Number of Pages : 02 B.Tech.										٦.				
PEIT5402										2				
210 8 th Semester Regular / Back Examination 2017-18 UBIQUITOUS COMPUTING										21				
	BRANCH : IT, ITE Time: 3 Hours													
	Max Marks : 70													
Q.CODE : C559														
Answer Question No.1 which is compulsory and any five from the rest.														
The figures in the right hand margin indicate marks. 210 Answer all parts of a question at a place. 210 210 210														
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Q1	Answer the f	Answer the following questions :										(2 x 10)		
a)	Differentiate between SCO Link and ACL Link													
b)	Define G-MSC and V-MSC.													
c)	Differentiate between FDMA and TDMA.													
₂₁₀ d)	Define Cluster and sector. 210 210 210										21			
e)	What is co-ch	nannel inte	rferen	ce an	d adja	acent	chan	nel in	terfe	ence	?			
f)	What is long propagation?	•	ading	and	shor	t terr	n fac	ding	in c	ontex	t of	signal		
g		Define inclination angle and elevation angle in the context of satellite communication.												
h)	Define IMEI,	IMSI.												
210 i)	Define Picone	et and Sca	tterne	t.		210			21			210		21
j)	What is the d	ifference b	etwee	n sof	t hand	doff a	nd ha	rd ha	ndoff	?				
00 -	Describe the			4 -			4 - 1 -			. 4			(5)	
•	a) Describe the essential components of a cellular telephone system.								(5)					
D	b) Explain Bluetooth protocol stack with suitable diagram.									(5)				
Q3 ₁₀ a)	CSMA/CA(Carrier Sense Multiple Access with Collision Avoidance)? Descr								scribe	(5)	21			
	the relative advantages and disadvantages of basic CSMA/CA and CSMA/CA with RTS/CTS protocols.													
b								e diffi	culty	of im	pleme	enting	(5)	
	CSMA/CD ted	chnique in	a wire	eless	enviro	nmei	nt?							
Q4, a)	What is IEEE	E 802.11 s	tanda	rd? D	escri	be th	e frar	ne st	ructu	re of	(Freq	uency	(5)	21
210	Hopping Spr Spectrum) us	read Spec	trum)	FHS									. ,	21
b)) How mobile a of a mobile a		er fron	n a ge	neral	softv	vare a	igent	? Exp	lain tl	he life	cycle	(5)	
Q 5 a)	What is hand											in the	(5)	
²¹⁰ b)	Describe the How and whe data protecte	ere is user	relate	ed da	ta sto	red ir							(5)	21

Q6	a)	Define channel assignment. Under wused? Which chann	vhat circumstar el assignment	nces, is static char	nnel assignment	normally	(5)	
210	b)	handle increase traff Explain with diagram receives IP packet to network. How is enco	n, how a corres o and from and	other MN also on			(5)	210
Q7	a) b)	Briefly differentiate b What is WAP? Dr disadvantages.		M and GLOBALS architecture. Disc			(5) (5)	210
Q8		Write short notes o (a) VPN (b) Cell Splitting (c) Mobile Agent	n the followin	g :		(2.5 x 4)	
210		(d) GPRS Support N	odes ₂₁₀	210	210	210		210
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