.11 0111		t No: Exam Seat No:		
		C.U.SHAH UNIVERSITY		
	_	Summer-2015		
		Code: 4CS04IAN2 Subject Name: Wireless Communication & Mobile Tec		
Course Name: B.Sc. (IT) Semester: IV Date: 21/5/2015 Marks: 70				
		Time: 10:30 TO ()1:30	
	ıctions			
2) Use	tempt all Questions in same answer book/Supplementary. The of Programmable calculator & any other electronic instrument prohibited are structions written on main answer book are strictly to be obeyed.	oited.	
		aw neat diagrams & figures (if necessary) at right places.		
		sume suitable & perfect data if needed.		
		SECTION-I		
Q:1	Exp	plain following terms.		
	1	Guard Band		2
	2	Spread Spectrum		2 2 3
0.2	3	TDM		3
Q:2	a	Attempt the following questions.)and use of	1
		1. Explain wireless Electromagnetic spectrum (frequency bands each frequency.	jand use of	4
		2. Write a short note on PSTN.		4
	b	Explain GPRS system architecture.		6
		OR		Ü
Q:2	a	Explain TCP over Wireless Network.		6
	b	Explain different methods of propagation.		4
	c	Explain X.25 network.		4
Q:3	a	Explain High data rate personal wireless network. Explain DSSS an	d FHSS.	7
	b	Explain Wi-Fi properties and different modes. OR		7
Q:3	a	. Explain GEO, MEO, LEO Satellite communication.		7
Q .5	b	What is GSM? Explain Cellular network of GSM architecture.		7
		CECTION II		
Q:4	Ans	SECTION-II swer the following Terms.		
_	1	Bluetooth	2	2
	2	Multiplexer	2	2
	2	HSCSD		2

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	1	Bluetooth	2
	2	Multiplexer	2
Q:5	3	HSCSD	3
	a	Explain Wireless Protocol stack (Layers of wireless).	6
	b	Write a note on Mobile IP.	4
	c	What is GPS? Explain GPS Architecture.	4

OR



Q:5	a	Explain different 2nd and 2.5 Wireless generation network.	6
	b	Explain WI-Max wireless Network technology.	4
	c	Explain ATM and Frame relay.	4
Q:6	a	Explain 3 rd generation wireless technology, and it's limitation of third generation.	7
	b	Explain any two Real Time interactive application protocols. OR	7
Q:6	a	Explain VOIP and IP Telephony system for audio/video conference.	7
	b	Explain Iridium in detail.	7