Seat No.:	Enrolment No

Subject Name: WIRELESS COMMUNICATION MOBILE

Subject Code:2650016

Time: 10:30 AM to 01:00

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER- 5 • EXAMINATION - SUMMER - 2016

Date:13/05/2016

Total Marks: 70

]	Instructi	ons:	
	2	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a)	Answer in very brief. 1) Time out freezing 2) H.323 3) MSRN 4) VHE 5) Semantic Web 6) RTP 7) GPRS	07
	(b)	Explain the Bluetooth protocol stack.	07
Q.2	(a)	Explain the architecture of GPRS. List the applications of GPRS with any suitable example.	07
	(b)	What is spread-spectrum technology? Explain in detail. OR	07
	(b)	Explain mobile ad-hoc networks and sensor networks in detail.	07
Q.3	(a) (b)	Explain session initiation protocol (SIP) in detail. What is RFID? Explain active vs. passive RFID. Explain with suitable examples. OR	07 07
Q.3	(a) (b)	Discuss the limitations of IPv4 that are overcome by IPv6. Discuss dissimilar functions of CDMA and GSM.	07 07
Q.4	(a) (b)	Explain SMS architecture. Explain authentication and security for GSM. OR	07 07
Q.4	(a) (b)	Discuss the IEEE 802.11 family of standards. Describe Mobile IP. Explain tunneling in the context of Mobile IP.	07 07
Q.5	(a) (b)	Describe the WAP protocol stack with all its layers' functions. What is WiMax ? How is it different from WiFi ? Explain the WiMax physical layer. OR	07 07
Q.5		Explain in brief. (i) IS-95 Channel Capacity (ii) Client Context Manager	07
	(b)	What is Handoff? Describe different types of handoffs.	07

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