Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - WINTER 2013

Subject Code: 170702 Subject Name: Mobile Computing		Date: 05-12-2013		
Tiı	me: 1 tructio	10:30 TO 01:00	Total Marks	: 70
	2.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Define and explain following terms (1) Mobile Computing (2) Handover (3) Wireless Brown	aad h and	06
	(b)	Answer the following 1) Message oriented middleware (MOM) 2) Internet Content Adaption Protocol (ICAP)	audanu	08
Q.2	(a) (b)	Draw and explain mobile computing architecture diagram. How IVR is useful in real life? Explain its architecture. OR		07 07
	(b)	What is Bluetooth? Elaborate Bluetooth protocol stack		07
Q.3	(a) (b)	Define RFID. Differentiate active and passive RFID with diagrams List and explain GSM entities.	ams.	07 07
0.0		OR		
Q.3	(a) (b)	Draw and explain GSM architecture How does the Mobile IP work? Explain its architecture.		07 07
Q.4	(a) (b)	Explain call routing for a mobile terminating call. Explain WAE logical model.		07 07
Q.4	(a)	OR What is Walsh function? Explain it for CDMA orthogonal code	26	07
Ų. 4	(a) (b)	What is DSSS? Explain CDMA chip sequence with example.	28	07
Q.5	(a) (b)	Attempt ANY FOUR IPv6 Security WiMax		14
	(c) (d) (e) (f)	Value added service through SMS Limitations of GPRS Ad hoc v/s Infrastructure mode for wireless architecture. MANET		
	(g) (h)	Wireless Transaction Protocol (WTP). Session Initiation Protocol (SIP).		
