Seat No.:	Enrolment No.
Seat No	Em onnent No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME Semester –II Examination Dec. - 2011

•	Subject code: 1720101 Date: 09/12/20		
Subject Name: Wireless Networking & Mobile Computing Time: 02.30 pm – 05.00 pm Total Mark			s: 70
Instru	1. 2.	ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Architecture.	07 07
Q.2	(a) (b)	Telecommunications and GSM? Also explain DECT system architecture reference model.	07 07
	(b)	OR Explain Infrastructure-based and Adhoc Wireless Networks.	07
Q.3	(a) (b)	Explain the components of a Bluetooth packet at baseband layer. Describe basic DHCP configuration and client initialization via DHCP. OR	07 07
Q.3	(a) (b)	Define Encapsulation and Decapsulation. Describe Generic routing encapsulation. Explain Flat ad-hoc routing and Hierarchical ad-hoc routing.	07 07
Q.4	(a) (b)	Explain Reverse Tunneling. Describe Functional architecture of a GSM System. OR	07 07
Q.4	(a) (b)	Explain Snooping TCP. Explain Phase shift keying, Advanced frequency shift keying, Advanced phase shift keying and Multi-carrier modulation.	07 07
Q.5	(a) (b)	Explain Mobile TCP. List and explain in detail the characteristics which have to be considered while deploying applications over 2.5G/3G wireless links. OR	07 07
Q.5	(a)		07
	(b)	Which are the basic transmission technologies used for WLANs? Explain them in detail.	07
