

GUJARAT TECHNOLOGICAL UNIVERSITY
M.C.A. – SEMESTER-V • EXAMINATION – WINTER 2015

Subject Code: 650016**Date: 10/12/2015****Subject Name: Wireless Communication Mobile****Time: 10.30 am to 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Attempt the following **07**
- (1) How many basic frequency operates in RFID _____.
 - (2) Full name of VPN is _____.
 - (3) _____ Key combination help people to see IMEI number in mobile devices.
 - (4) Full name of TDMA is _____.
 - (5) Speed offered by GPRS is _____ Kbps to _____ Kbps.
 - (6) The group of two or more Bluetooth network connected each other is known as _____.
 - (7) The geographical range of Bluetooth enabled device for data transfer is _____ feet.
- (b) Explain three tier architecture of mobile computing. **07**
- Q.2** (a) Explain application of mobile computing in detail. **07**
- (b) Explain GSM entities in detail. **07**
- OR
- (b) Explain Wireless Broadband in detail. **07**
- Q.3** (a) Explain GSM architecture in detail. **07**
- (b) Explain WiFi V/s 3G in detail. **07**
- OR
- Q.3** (a) Explain CDMA V/s GSM in detail. **07**
- (b) Explain mobile ad hoc network and sensor network in detail. **07**
- Q.4** (a) Explain spread spectrum technology in detail. **07**
- (b) Explain GPRS network operation in detail. **07**
- OR
- Q.4** (a) Explain Real Time Protocol in detail. **07**
- (b) Explain GPRS and packet data network. **07**
- Q.5** (a) Explain IPv4 and IPv6 in detail. **07**
- (b) Explain Indirect TCP, Snooping TCP and Mobile TCP in detail. **07**
- OR
- Q.5** (a) Explain data services in GPRS in detail. **07**
- (b) Short Note: SIP. **07**
