

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-V EXAMINATION – WINTER 2018

Subject Code: 2650016

Date: 28/11/2018

Subject Name: Wireless Communication Mobile

Time: 10.30 am to 1.00 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) Answer in very brief. 07**
1) Time out freezing
2) H.323
3) MSRN
4) VHE
5) Semantic Web
6) RTP
7) CDMA
- (b) Attempt in Brief 07**
(1) Full name of RFID is _____.
(2) Full name of IMSI is _____.
(3) Full name of GGSN is _____.
(4) What is Mobile Computing?
(5) Full name of GPRS is _____.
(6) The GSM is uses the radio interface is TDMA (True or False).
(7) What is the use of WML in WML Script?
- Q.2 (a) Discuss the limitations of IPv4 that are overcome by IPv6. 07**
(b) Discuss dissimilar functions of CDMA and GSM. 07
OR
(b) What is RFID? Explain active vs. passive RFID. Explain with suitable examples. 07
- Q.3 (a) What is Dynamic Ip Addressing In Gprs? How Does The SGSN Know Which GGSN To Direct You To? 07**
(b) Explain the architecture of GPRS. List the application of GPRS with any suitable example. 07
OR
- Q.3 (a) Explain all three classes of GPRS Handset. 07**
(b) What Is GPRS QoS? Also explain Radio Interface in GPRS? 07
- Q.4 (a) Explain how GSM architecture works. 07**
(b) Describe Piconet and Scatternet with example. 07
OR
- Q.4 (a) Explain WAP architecture in detail. 07**
(b) What is Spread Spectrum Technology? List different spreading techniques. Explain the Any one spreading technique. 07
- Q.5 (a) What is IEEE 802.11 ? Explain various standards under 802.11 07**
(b) Differentiate between H.323 and SIP VoIP. 07
OR
- Q.5 (a) What is Information Security? Component of Information Security 07**
(b) What is AOC and SOC? What are Differences Between AOC and SOC. 07
