

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : Wireless Communication & Mobile Technology

Subject Code : 4CS04BNT2

Branch: BCA

Semester : 4

Date : 20/04/2017

Time : 10:30 To 01:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
-

Q-1 Attempt the following questions: (14)

- a) What is meant by Wireless?
- b) Give the full form of PSTN
- c) Define Switching
- d) List any four Real time interactive applications
- e) Why do we need GPRS system in Telecommunication System?
- f) What is meant by Wireless Network?
- g) Give the full form of ISDN
- h) Define Mobile Communication
- i) Differentiate between 3G & 4G
- j) List any three types of satellite communication system
- k) What is the use of PPP Protocol?
- l) What is Video Conferencing?
- m) Differentiate between Radio Transmission & Microwave Transmission
- n) Given the full form of VOIP

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions (14)

- a) Explain GPRS Architecture and discuss each part of it **05**
- b) Discuss IP telephony & Video Conferencing **05**
- c) Differentiate between Infrared and Bluetooth Technology **04**

Q-3 Attempt all questions (14)

- a) Explain Spread spectrum in CDMA systems **05**
- b) Describe Multiplexing with its types **05**
- c) Write a note on RTP, RTCP, RTSP, SIP **04**

Q-4 Attempt all questions (14)

- a) What is Modem? Describe types of it **05**
- b) Explain GSM and Cellular Network **05**
- c) Discuss GEO, MEO & LEO in briefly **04**

Q-5 Attempt all questions (14)

- a) What is Wireless LAN? Discuss it suitable example **05**
- b) Explain Basic Concept of Cable Television system **05**



- c) Describe ATM Technology with an example **04**
- Q-6 Attempt all questions (14)**
- a) Differentiate between Packet, Message & Circuit Switching **05**
- b) Describe Broadband Wireless and Mobile Ad hoc Network **05**
- c) Write a note on Streaming stored Audio & Video **04**
- Q-7 Attempt all questions (14)**
- a) Explain ATM, Frame Relay, HDLC with an appropriate example **07**
- b) Describe Wireless Protocol Layers in briefly **07**
- Q-8 Attempt all questions (14)**
- a) Explain any four types of Wireless Network with suitable example **07**
- b) Describe Wireless Sensor Network and Mobile IP in brief **07**

