

Enrollment No: \_\_\_\_\_

Exam Seat No.: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Summer Examination - 2022

**Subject Name: Wireless Communication & Mobile Technology**

**Subject Code: 4CS04BNT2**

**Branch: BCA**

**Semester: 4**

**Date: 06/05/2022**

**Time: 11:00 To 02:00**

**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.
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**Que-1 Attempt all the following:**

**[14]**

- (1) Video conferencing and location-based service are available in \_\_\_\_\_ of mobile networks.  
(a) 2G      (b) 4G      (c) 3G      (d) 1G
- (2) TV remote uses \_\_\_\_\_ transmission.  
(a) Microwave      (b) Infrared      (c) Radio      (d) Bluetooth
- (3) Which company invented Bluetooth?  
(a) Ericsson      (b) Oracle      (c) Microsoft      (d) AT&T
- (4) What is I stands for in ISDN?  
(a) International      (b) Integrated      (c) Interconnect      (d) Interprocess
- (5) Full form of WDP is \_\_\_\_\_.  
(a) Wireless Data Protocol      (b) Wireless Datagram Protocol  
(c) Wireless Direct Protocol      (d) Wireless Data-access Protocol
- (6) In GSTN, T stands for \_\_\_\_\_.  
(a) Telephone      (b) Transfer      (c) Transmit      (d) Transport
- (7) GPRS provides \_\_\_\_\_ service.  
(a) SMS      (b) MMS      (c) Instant Messaging      (d) All of above
- (8) RADS L was introduced by \_\_\_\_\_.  
(a) IBM      (b) AT&T      (c) Microsoft      (d) Oracle
- (9) A piconet is a network of devices connected using \_\_\_\_\_ technology.



- (a) Infrared      (b) Microwave      (c) Radio      (d) Bluetooth

(10) Write full form of PCM.

(11) Write full form of SIM.

(12) Write full form of PPP

(13) RTCP stands for\_\_\_\_\_

(14) WLAN stands for\_\_\_\_\_

**Attempt any four questions from Que-2 to Que-8**

**Que-2 Attempt all questions. [14]**

1. Write a note on radio and Bluetooth transmission in detail. [7]
2. What is switching? Explain packet and circuit switching techniques with diagram. [7]

**Que-3 Attempt all questions. [14]**

1. Define multiplexing. Explain FDM and TDM. [7]
2. Explain GEO and MEO in detail. [7]

**Que-4 Attempt all questions. [14]**

1. Discuss various mobile network generations. [7]
2. Write a note on WLAN and WMAN. [7]

**Que-5 Attempt all questions. [14]**

1. Explain WML with its features. [5]
2. What is VoD and voice conferencing? Discuss in detail. [5]
3. Explain GPS in brief. [4]

**Que-6 Attempt all questions. [14]**

1. Explain frame relay in detail. [5]
2. Discuss SIP and RTCP protocols [5]
3. What is MANET? Explain it in brief. [4]

**Que-7 Attempt all questions. [14]**

1. Explain PSTN in detail. [5]
2. What is handover? Explain hard and soft handovers in brief. [5]
3. Discuss trunk in short. [4]

**Que-8 Attempt all questions. [14]**

1. What is Iridium? Discuss it in detail. [5]
2. What is WSN? List out its different types and also write various applications of it. [5]
3. Define modem. Explain internal and external modem. [4]

