



**BBN-003-1074004** Seat No. \_\_\_\_\_

**M. C. A. (Sem. IV) (CBCS) Examination**

**July – 2021**

**Mobile Computing**

**Faculty Code : 003**

**Subject Code : 1074004**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**Attempt any five questions**

- Q.1(A) Attempt following Questions. 4**
- 1 Full form of PSK.
  - 2 Which of the enables us to use the entire bandwidth simultaneusly?
  - 3 Full form of FDM.
  - 4 Full form of TDMA.
- (B) What is FDMA? 2**
- (C) Describe shortly signal. 3**
- (D) What is terminal? Explain near or far terminals. 5**
- Q.2(A) Attempt following Questions. 4**
- 1 Full form of ASK.
  - 2 Full form of SDM.
  - 3 Full form of CDMA.
  - 4 Full form of FSK.
- (B) What is TDMA? 2**
- (C) Explain Antenna. 3**
- (D) Explain signal Propagation. 5**
- Q.3(A) Attempt following Questions. 4**
- 1 Full form of IP.
  - 2 Full form of MAC.
  - 3 Full form of IRDA.
  - 4 Full form of MIB.
- (B) What is Bluetooth? 2**
- (C) Explain IPV6. 3**
- (D) Explain IEEE 802.11 architecture. 5**
- Q.4(A) Attempt following Questions. 4**
- 1 Full form of IAPP.
  - 2 Full form of DHCP.
  - 3 Full form of FHSS.
  - 4 Full form of IEEE.
- (B) What is Mobile IP? 2**
- (C) Explain network element with detail. 3**
- (D) Explain infrastructure v/s adhoc network. 5**

|                |   |          |
|----------------|---|----------|
| <b>Q.5(A)</b>  | <b>Attempt following Questions.</b>   | <b>4</b> |
|                | 1 Full form of NACK.  |          |
|                | 2 Full form of SACK.  |          |
|                | 3 Full form of PEP.   |          |
|                | 4 Full form of TCP.   |          |
| <b>(B)</b>     | What is snooping TCP?   | <b>2</b> |
| <b>(C)</b>     | What is fast retransmit?  | <b>3</b> |
| <b>(D)</b>     | Explain selective retransmission.   | <b>5</b> |
| <b>Q.6(A)</b>  | <b>Attempt following Questions.</b>   | <b>4</b> |
|                | 1 Full form of I-TCP.   |          |
|                | 2 What is Standard TCP?   |          |
|                | 3 Full form of UDP.   |          |
|                | 4 What is Wireless TCP?   |          |
| <b>(B)</b>     | What is traditional TCP?  | <b>2</b> |
| <b>(C)</b>     | Write a note on I-TCP.  | <b>3</b> |
| <b>(D)</b>     | Explain performance-enhance proxies with detail.  | <b>5</b> |
| <b>Q.7(A)</b>  | <b>Attempt following Questions.</b>   | <b>4</b> |
|                | 1 Full form of WDP.   |          |
|                | 2 Full form of WAP.   |          |
|                | 3 Full form of WTLS.  |          |
|                | 4 Full form of SMS.   |          |
| <b>(B)</b>     | What is MMS?  | <b>2</b> |
| <b>(C)</b>     | Explain WWW Architecture.   | <b>3</b> |
| <b>(D)</b>     | List protocol of mobile computing.  | <b>5</b> |
| <b>Q.8(A)</b>  | <b>Attempt following Questions.</b>   | <b>4</b> |
|                | 1 Full form of MMS.   |          |
|                | 2 Full form of WTP.   |          |
|                | 3 Full form of WML.   |          |
|                | 4 Full form of WSP.   |          |
| <b>(B)</b>     | What is SMS?  | <b>2</b> |
| <b>(C)</b>     | Explain WAP.  | <b>3</b> |
| <b>(D)</b>     | Explain push-pull based data acquisition.   | <b>5</b> |
| <b>Q.9(A)</b>  | <b>Attempt following Questions.</b>   | <b>4</b> |
|                | 1 CDMA-2000 works in TDD mode only.(True/False)   |          |
|                | 2 Full form of GPRS.  |          |
|                | 3 Full form of GSM.   |          |
|                | 4 Capacity of CDMA is bandwidth limited.(TRUE/False)                                      |          |
| <b>(B)</b>     | What is wireless network?   | <b>2</b> |
| <b>(C)</b>     | List the different application of GPRS.   | <b>3</b> |
| <b>(D)</b>     | Explain CDMA.   | <b>5</b> |
| <b>Q.10(A)</b> | <b>Attempt following Questions.</b>   | <b>4</b> |
|                | 1 Wireless networks are extremely hostile and random nature of radio channel.(True/False) |          |
|                | 2 Full form of PSTN.  |          |
|                | 3 Communication protocol, CAI stands for _____  |          |
|                | 4 Full form of BSS.   |          |

- (B)** What is 3G Network? **2**
  - (C)** Explain W-CDMA. **3**
  - (D)** Explain GSM. **5**
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