

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech. (CSE) (Sem.-5)**  
**COMPUTER NETWORKS**

Subject Code : BTCS504-18

M.Code : 78323

Date of Examination : 24-06-2024

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**1. Write briefly :**

- a) Write advantages of Bus Topology.
- b) Define the term Frequency Division Multiplexing.
- c) Explain the term Block Coding in brief.
- d) What is Error? Explain types of error.
- e) Explain in brief about the term RARP.
- f) What do you mean by Unicast Routing protocols.
- g) What is the main advantage of UDP over TCP?
- h) Explain in brief about Quality of service.
- i) Explain in brief about the term WWW.
- j) Discuss TELNET in brief.

## SECTION-B

2. Explain Wired LAN and Wireless LANs in detail.
3. Explain CSMA/CA in detail.
4. Write a detailed note on IPV6.
5. Write a detailed note on Transmission Control Protocol (TCP).
6. Write a detailed note on Firewalls.

## SECTION-C

7. Write a detailed note on OSI Model.
8. **Explain in detail about following algorithms :**
  - a) Leaky Bucket
  - b) Token Bucket.
9. **Write a detailed note on the following :**
  - a) Domain Name Space (DNS)
  - b) DDNS
  - c) SNMP.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**