

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (CE / CSE / EE / ECE) (Sem.-6)

COMPUTER NETWORKS

Subject Code : BTIT401-18

M.Code : 79637

Date of Examination : 18-07-22

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. What is difference between ring and star topology?
- b. List some un-guided media for transmission of data.
- c. What is spread spectrum?
- d. Define flow control.
- e. Define piggybacking.
- f. Why do we need error control?
- g. What is HTTP?
- h. List some features of Bluetooth technology
- i. Why TCP is reliable protocol?
- j. Define virtual LAN.

SECTION-B

2. Discuss the different types guided media used for transmission of data at physical layer.
3. Explain the Go-back- N ARQ flow control protocol with the help of a suitable example.
4. What is a logical addressing? How logical addressing is across the different networks?
5. Explain leaky bucket algorithm for congestion control.
6. What is the need of firewall? Discuss different types of firewalls used as Intrusion prevention system.

SECTION-C

7. Why intermediate infrastructure is having only three layers in OSI model. Discuss the different types of hardware devices used at different layers of OSI Model.
8. What is QOS? Discuss few QOS parameters used at transport layer. How we can improve the QOS?
9. Write a short note on :
 - a. SNMP
 - b. CSMA/CD

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.