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Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CSE) (Sem.-5)

COMPUTER NETWORKS

Subject Code : BTCS 504-18

M.Code : 78323

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**Answer briefly :**

- 1) Define protocols.
- 2) What is bandwidth in network?
- 3) What is VLAN and why it is used?
- 4) What is the use of ALOHA protocol?
- 5) Differentiate IPV4 with IPV6.
- 6) Define DHCP.
- 7) Write the role of FTP.
- 8) Give the principle of Bluetooth.
- 9) Discuss UDP Protocol.
- 10) What is meant by congestion control?



**SECTION-B**

- 11) What is topology and discuss types of topology?
- 12) Discuss the role of multiplexing in data communication.
- 13) Write the types of routers. Explain any one in short.
- 14) Give the basic concept of Cryptography.
- 15) Discuss Quality of Service improving techniques on transport layer.

SECTION-C

- 16) Explain the protocols and standards used in OSI Model.
- 17) What do you mean by error detection and correction? Discuss cyclic redundancy check.
- 18) Define multiple access protocol. How CSMA/CA protocol is used to avoid the collision in networks?

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.

