

Roll No. : 371607.....

Total No. of Pages : 3

BCA-201

B.C.A. IInd Year Examination, 2022

COMPUTER COMMUNICATION AND NETWORKS

Paper-I

Time Allowed : 1½ Hours

Maximum Marks : 100

Part-A

[Marks : 30]

Note :- Answer all questions (50 words each). All questions carry equal marks.

Part-B

[Marks : 70]

Note :- Answer any two questions (250 words each). All questions carry equal marks.

Part-A

1. Answer the following questions :

- (i) What do you mean by Connection Oriented Services ?

- (ii) Define Networking.
- (iii) What is the use of Firewalls ?
- (iv) What is Shannon Capacity ?
- (v) What do you understand by Optical Fibre ?
- (vi) What is full Duplex Communication ?
- (vii) What is the use of MAC Sublayer ?
- (viii) What is meant by Gigabit Ethernet ?
- (ix) What is Parity Check ?
- (x) What is meant by Time Division Multiplexing ?

Part-B

2. Discuss OSI model in detail.
3. Discuss various types of Networks.
4. Explain various types of Transmission Media used in Communication.
5. Discuss in detail AM and FM.

6. Giving diagram, explain in detail the concept of CSMA/CD.
7. What is token ring and how does it work ? Also give its advantages and disadvantages.
8. Explain in detail the concept of Sliding Window Protocol.
9. Discuss Circuit Switching and Packet Switching.