

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

D-199

B.C.A. (Part-I) Examination, 2023

COMPUTER NETWORKS

Paper - BCA-104

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 4 × 5 = 20)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **4** marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

1. (i) Define Network Types.
- (ii) Define Ring Topology.
- (iii) Define Transmission.
- (iv) What is Switching ?

BRI-176

(1)

D-199 P.T.O.

- (v) What is Flow Control ?
- (vi) What is Error ?
- (vii) What do you understand by Routing ?
- (viii) What is Tunneling ?
- (ix) Define Stack.
- (x) Define Protocols.

Section-B

2. Explain TCP/IP Stack.

Or

Describe LAN technologies.

3. Explain Transmission Modes.

Or

Explain Packet Switching.

4. What is difference between IPv4 and IPv6 ?

Or

Describe Network Addressing.

5. Explain Stop and Wait.

Or

Define User Datagram Protocol.

6. Explain Poll, Select.

Or

Explain PCM.

Section-C

7. Describe OSI Model.
8. Explain Digital Transmission.
9. Explain Routing Techniques.
10. Describe ARP and ICMP.
11. Explain Client Server Model.