Total No. of Questions : **11**] [Total No. of Printed Pages : **3**

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B.C.A. (Part–I) Examination, 2022
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 **50** 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 WAN.

   (ii) Define Star Topology.

   (iii) Define Twisted Pair Cable.

   (iv) What is Message Switching ?

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(v)   Define Enq/Ack.

(vi)   What is the use of Poll/Select ?

(vii) What is Tunneling ?

(viii) What do you understand by Packet Fragmentation ?

(ix)   Define UDP.

(x)   What is Client-Server Model ?

Section–B

2.   Explain types of Network.

Or

Describe TCP/IP Stack.

3.   Explain Wireless Transmission in detail.

Or

Explain Circuit Switching.

4.   Explain Stop and Wait flow control.

Or

Explain Sliding Window.

5.   Describe ARP.

Or

Differentiate IPv4 and IPv6.

6.   Explain http and ftp.

Or

Explain SMTP and POP.

Section–C

7. Describe OSI Model.

8. Explain PCM.

9. Explain Sliding Window ARQ.

10. Explain Network Addressing in detail.

11. Explain TCP in detail.