BC - 337

BCA (Part-I) Examination, 2018

(COMPUTER NETWORK)

Paper-BCA-104

Time allowed : Three hours

Maximum Marks : 70

Section A

(Marks 2 × 10 = 20)

Answer all Ten questions (Answer limit 50 words). Each question carries 2 marks.

Section B

(Marks 4 × 5 = 20)

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

Section C

(Marks 10 × 3 = 30)

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

SECTION – A

1. (a) What is data communication ? (2)

   (b) What is network ? (2)

(c) What is transmission ? (2)

(d) What are modes ? (2)

(e) What is flow control ? (2)

(f) What is line discipline ? (2)

(g) What is tunnelling ? (2)

(h) What is addressing ? (2)

(i) What is Protocol ? (2)

(j) What is transmission ? (2)

SECTION – B

2. Explain types of network. (4)

OR

What is LAN ? (4)

3. Explain digital to digital transmission. (4)

OR

Explain message switching. (4)

4. Explain sliding window. (4)

OR

Explain ARQ. (4)

5. Explain routing. (4)

OR

What is packet fragmentation ? (4)

6. What is user datagram Protocol ? (4)

OR

What is Application Protocol ? (4)

SECTION – C

7. Explain OSI model in detail. (10)

8. Explain Switching techniques. (10)

9. Explain error control in data link error. (10)

10. Explain IPV4 v/s IPV6. (10)

11. Explain client-server model. (10)

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B.C.A. (Part-I) Examination, 2019

COMPUTER NETWORK

Paper : BCA-104

Time allowed : Three hours
Maximum Marks : 70

SECTION – A (Marks : 2 × 10 = 20)

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

SECTION – B (Marks : 4 × 5 = 20)

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

SECTION – C (Marks : 10 × 3 = 30)

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

SECTION – A

1. (a) What is topology ? **(2)**

   (b) What is network ? **(2)**

   (c) What is switching ? **(2)**

   (d) What is digital transmission ? **(2)**

   (e) What is Error Control ? **(2)**

   (f) What is the use of Data Link Layer ? **(2)**

   (g) What is Routing ? **(2)**

   (h) What is addressing ? **(2)**

   (i) What is Datagram ? **(2)**

   (j) What is the use of Application Layer ? **(2)**

SECTION – B

2. Explain Topologies. **(4)**

   OR

   Explain OSI Model in short.

3. Explain analog to digital transmission. **(4)**

   OR

   Explain Packet Switching.

4. Explain Line Discipline. **(4)**

   OR

   Explain Stop and Wait ARQ.

5. Explain Tunneling. **(4)**

   OR

   Explain Network Addressing.

6. Explain Transmission Control Protocol. **(4)**

   OR

   Explain Client Server Model.

SECTION – C

7. Explain LAN Technologies. **(10)**

8. Explain Message Switching Techniques. **(10)**

9. Explain Flow Control in Data Link Layer. **(10)**

10. Explain Various Network Layer Protocols. **(10)**

11. Explain Transmission Control and User Datagram Protocol. **(10)**

Roll No. : .....

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 ?

(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.