



DCCA302

Reg. No.

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III Semester B.C.A. Degree Examination, April - 2023

COMPUTER APPLICATIONS

Computer Networks

(NEP Scheme 2021 Onwards)

Paper : CA - C12T

Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

Answer any Four questions from each Section.

SECTION - A

Answer any Four questions. Each question carries Two marks.

(4×2=8)

1. Mention the Goals of Computer Networks.
2. Define the types of Network.
3. What is QoS?
4. Explain the command IPCONFIG.
5. Write a note on ALOHA protocol.
6. Write a note on WWW.

SECTION - B

Answer any Four questions. Each question carries Five marks.

(4×5=20)

7. Define network topology. Explain BUS and STAR topologies with its Merits and Demerits.
8. Explain the store and Forward Switching techniques.
9. Explain TCP/IP reference model.
10. Explain FDMA TDMA, CDMA.
11. Define error? With an example explain checksum technique.
12. Explain CSMA with its schemes.

[P.T.O.]



SECTION - C

Answer any Four questions. Each question carries Eight marks. (4×8=32)

13. Explain in detail the ISO-OSI reference model.
 14. With neat diagram, explain in brief the different guided transmission media.
 15. What is IPv4 addressing format? Explain class A, Class B and Class C addressing format with suitable examples.
 16. Write a note on: (4+4)
 - a) HDLC
 - b) PPP - Point to Point
 17. Write a short note on: (4+4)
 - a) DNS
 - b) TCP
 18. What is Routing? Name its types and explain Link-state routing.
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