



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.

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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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