

B.C.A. DEGREE EXAMINATION, APRIL 2020
III Year VI Semester
Data Communication and Networking

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Define the term Topology.
2. List Transmission modes.
3. Write any one significance of X.21 Interface.
4. List various types of errors in data.
5. What do you mean by Connection less service?
6. Define FDDI.
7. What do you know by Broadband ISDN?
8. List X.25 layers
9. Write the role of Repeater.
10. Define WWW.
11. What do you know by Message switching?
12. List any two unguided media.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. How Networking standards are defined? Explain.
14. Differentiate Parallel and Serial Transmission.
15. List and explain any two types of Multiplexing.
16. Explain the Characteristics of ATM topology.
17. Explain the significance of Routing algorithms
18. How guided media differs from Unguided media? Explain.
19. Differentiate Circuit Switching and Packet Switching.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Describe Various layers of OSI Model.
21. How single bit error is detected? Discuss.
22. Discuss Token ring architecture.
23. Discuss the features of ISDN layers.
24. Explain the services of TCP/IP Network.

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