B.C.A DEGREE EXAMINATION,NOVEMBER 2019
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. What is a network?
2. List out different transmission modes.
3. What is a modem?
4. Write any two error correction methodologies.
5. What is token bus?
6. Define Ethernet.
7. Differentiate analog and digital network.
8. Define x.25.
9. What are bridges?
10. What is TCP/IP?
11. Draw star topology.
12. Define gateway.

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

Answer any **FIVE** questions

13. Discuss on different topology in network.
14. Describe different types of errors and error detection.
15. Give an account on types of multiplexing.
16. Discuss on ISDN layers.
17. Explain transport layer of TCP/IP.
18. Write a note on FDDI.
19. Explain x.21 interface.

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

Answer any **THREE** questions

20. Explain OSI model.
21. Give an account on guided and unguided media.
22. Explain circuit switching and packet switching.
23. Describe ATM topology and protocol.
24. Write down different routing algorithm and explain any one.

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