

B.C.A. DEGREE EXAMINATION, APRIL 2018
III YEAR VI SEMESTER
Core Major- Paper XII - DATA COMMUNICATION AND
NETWORKING

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. What is data communication?
2. Define protocol.
3. What are the types of guided media?
4. Write the two types of errors.
5. What is multiplexing?
6. Define FDDI.
7. What is ISDN?
8. Define ATM.
9. Define router.
10. What is gateway?
11. Define parallel transmission.
12. Define TCP/IP.

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

Answer any **FIVE** questions

13. Write the advantages and disadvantages of star topology.
14. Write in detail about any two unguided media.
15. Explain the concept of packet switching.
16. Explain briefly about packet layer protocol.
17. Explain the concept of repeater.
18. Describe in detail about modem.
19. Explain about world wide web.

P.T.O.

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

Answer any **THREE** questions

20. Explain briefly about OSI model.
21. Explain briefly about types of errors in error detection and correction.
22. Explain briefly about token bus and token ring.
23. Explain in detail about ATM topology and protocol.
24. Describe in detail about bridges.