B.C.A. DEGREE EXAMINATION,APRIL 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. Define data.
2. What is network?
3. Write about x.21 interface.
4. What are modems?
5. Define multiplexing.
6. Differentiate between broadband and baseband.
7. Define the following a) ISDN b) ATM.
8. What is PLP?
9. Mention the purpose of register.
10. What is WWW?
11. What is flow control?
12. What is burst error?

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

Answer any **FIVE** questions

13. What are LAN, WAN, MAN networks?
14. What is an error? Explain its types.
15. Brief about frequency division multiplexing.
16. What are the services of broadband ISDN?
17. What is gateway? Explain.
18. Write about the components of data communication system.
19. Explain distance vector algorithm.

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

Answer any **THREE** questions

20. Describe topology of networks in detail.

21. Explain Guided and Unguided media.

22. What is packet switching? Explain in detail.

23. Discuss about x.25 protocol and explain its layers.

24. List the different types of bridges, and explain in detail.

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