B.Sc. DEGREE EXAMINATION,NOVEMBER 2019
III Year VI Semester
Computer Networks

Time : 3 Hours **Max.marks :75**

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

Answer any **TEN** questions

1. Define Network.
2. Define protocol.
3. Name the different types of network?
4. What is hamming distance?
5. Define framing.
6. What is parity bit?
7. What is spanning tree?
8. Define collision.
9. What is meant by cryptography?
10. What is bit stuffing?
11. Define congestion.
12. What is meant by subnet?

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

Answer any **FIVE** questions

13. Discuss about connection oriented and connectionless services.
14. Write short notes on
    a) Packet Switching b) Circuit Switching.
15. Explain the methods of Framing.
16. Describe Internet Control Message Protocol.
17. What is Domain Name System (DNS)? Explain.
18. Write a short note on TCP protocol.
19. Explain fragmentation.

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

Answer any **THREE** questions

20. Explain in detail OSI reference model.
21. Explain the various transmission media in computer networks.
22. Explain various error detection codes.
23. Explain Distance Vector Routing algorithm.
24. Draw a neat diagram and explain the working of ATM reference Model.

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