



(Accredited by NAAC “A+” Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

II B.Sc.

Semester-IV

Data Communication and Computer Networks

MODEL QUESTION PAPER (W.E.F 2023-2024)

Time: 2 ½ Hrs.

Max Marks: 50 M

SECTION - I

Answer any FIVE questions

5 X 3= 15M

1. Write a short note on network hardware and software.
2. Write a short note on frame relay.
3. Write about error detection using parity bit.
4. Write a short note on wireless LAN.
5. Write a short note on network layer design issues.
6. Write a short note on adaptive routing algorithm.
7. Write a short note on elements of transport protocol.
8. Explain Domain Name System.

SECTION - II

Answer the following questions

5 X 7 = 35M

9. Explain about OSI reference model.

(OR)

10. Explain about Guided media and unguided media for transmission.

11. Explain about sliding window protocol.

(OR)

12. Explain HDLC protocol.

13. Explain IPv4 protocol.

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(OR)

14. Explain congestion control algorithms.

15. Explain TCP protocol.

(OR)

16. Explain UDP protocol.

17. Explain Simple mail transfer protocol.

(OR)

18. Explain File Transfer protocol.