III B.Sc.   Semester-VII
COMPUTER NETWORKS
MODEL QUESTION PAPER (W.E.F 2023-2024)

Time: 2 ½ Hrs.   Max Marks: 50

SECTION - I

Answer any FIVE Questions   5 X 3= 15M

1. Explain different types of networks?

2. Difference Between Circuit and Packet Switching?

3. Define Bluetooth?

4. Design issues in Data Link layer?

5. What is Flooding in Network Layer?

6. Explain the header format of TCP?

7. Write the services provided by session layer?

8. Write a short note on DNS(Domain Name System)?

SECTION - II

Answer following question   5 X 7 = 35M

9. What are the 7 layers of the OSI model in computer network?

(OR)

10. What are the different types of guided and unguided media?

11. What protocols are used in the data link layer?

(OR)

12. What is the need of Error Detection and Correction in Data Link Layer?

13. What is network layer? Explain Dijkstra algorithm?

(OR)

14. What is routing algorithm? Explain adaptive and non-adaptive routing algorithm.

15. What is transport layer? Explain in brief

(OR)

16. What is the different between TCP and UDP

(OR)

17. What is Application Layer? Explain.

(OR)

18. Explain the email architecture and services?