ST. FRANCIS DE SALES COLLEGE

A FRANSALIAN INSTITUTE OF HIGHER EDUCATION AUTONOMOUS

NAAC A GRADE ● AFFILIATED TO BANGALORE UNIVERSITY ● AICTE APPROVED ● 2(F) & 12 (B) RECOGNITION OF UGC ● ISO 9001:2015 CERTIFIED

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END SEMESTER EXAMINATION – AUGUST 2025
COMPUTER SCIENCE- II SEMESTER MCA
24MCA22 – COMPUTER NETWORKS

Time: 3 Hours **Max. Marks: 70**

Instruction: *Answer should be written completely in English.*

SECTION - A

Answer any **FIVE** questions. Each question carries **SIX** marks each. (5X6=30)

1. Write short notes on types of connection.

2. Define Topology. Explain its types.

3. Write short notes on Parity Check and Block Coding with example.

4. What is CRC? Illustrate with suitable example.

5. What is ICMP? Explain its types.

6. Explain the structure of an IPv6 address with an example.

7. What is DNS? Explain with example.

8. Differentiate between Encryption and Decryption.

SECTION - B

Answer any **FOUR** questions. Each question carries **TEN** marks each. (4X10=40)

9. Explain about Transmission Media with examples.

10. Briefly explain about OSI Model with neat diagram.

11. What is PPP? Explain its overview with neat diagram.

12. Brief notes on Channelization Protocol and its types.

13. Explain about Mobile IP with neat diagram.

14. Explain Leaky Bucket and Token Bucket Algorithm with neat diagram.