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 – APRIL 2025
COMPUTER SCIENCE – I SEMESTER MCA
24MCA13 – SOFTWARE ENGINEERING

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. Explain Requirement Elicitation Techniques.

2. Discuss the concept of Lean Software Development.

3. Define software architecture and explain different architectural styles.

4. Differentiate between transaction mapping and transformation mapping.

5. Explain the concept of testing in software projects.

6. Describe the significance of audits and walkthroughs in software testing.

7. What is the importance of change management in software projects?

8. Write a note on Quality Assurance.

SECTION - B

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

9. Describe Agile Methodology and its advantages over traditional models.

10. What are the components in use case diagrams in UML? Explain with an example.

11. Explain Six Sigma Standards in software quality.

12. Explain performance and security assurance in SQA Activities.

13. Discuss the elements of SCM (Software Configuration Management).

14. Explain different types of requirements in software requirement analysis.