QP Code: UV25C009

Reg.No : .....

Name : .....

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

III SEMESTER (CBCSS-VUG) DEGREE EXAMINATIONS, OCTOBER 2025

B.Voc Software Development

SDC3IT11 : SOFTWARE ENGINEERING

2024 Admission Onwards

Time: 2 Hours **Maximum Marks: 60**

Section A

Short answer type questions. ***2*** *Marks each* ***(Ceiling 20)***

1. Define software engineering.
2. Distinguish between business software and scientific software.
3. Mention an application suitable for the Spiral Model and state the reason.
4. Compare ERD and DFD based on their usage.
5. Which section of an SQA plan is most valuable for project managers ?
6. Define software architecture.
7. List any two types of architectural styles.
8. Identify the problems in a module with low cohesion and high coupling.
9. Define black box testing.
10. What is corrective maintenance in software engineering?
11. Explain the main goal of software reengineering.
12. What is version control in software development ?

Section B

Paragraph type questions. ***5*** *Marks each* ***(Ceiling 30)***

13. Compare spiral and prototype models in terms of risk management.
14. Briefly describe the main stages in the Requirement Engineering Process.
15. Describe different types of feasibility studies with examples.

Turn Over

16. Explain the concepts of coupling and cohesion in software design.
17. Describe the categories of software maintenance.
18. How would you apply white box and black box testing techniques to test an online shopping system?
19. What is the role of Change Control Process in managing software changes?

Section C

Essay-type question. ***10*** *Marks : Answer* ***any one*** .

20. Describe the phases of the waterfall model with diagram.
21. Explain the major activities of SCM, with a detailed discussion of the Change Control Process and Version Control.

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