APRIL 2026

52513/325E5D/
320E5B/327E5B/
341E5B/326E5B

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is the evolution pattern for engineering disciplines?

2. Recall the software projects being undertaken by Indian companies.

3. What is early computer programming?

4. How to document the functional requirements?

5. Write a note on traceability.

6. Comment on syntactic domains.

7. What are the classifications of software design activities?

8. Give the major concern of software design.

9. State the advantages of multiple inheritance.

10. Define: “Abstraction”.

11. What is code inspection?

12. How to test a program?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Analyze the important advantages of the V-Model.

14. Distinguish between the RAD and iterative waterfall model.

15. Generalize the users of SRS document.

16. Dissect the classification of cohesiveness.

17. Interpret the layered arrangement of modules.

18. How to identify class relationships? Explain.

19. Identify the important steps in the black-box test suite design approach.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Enumerate the different phases of the spiral model with diagram.

21. Discuss the operational semantics in formal system specification.

22. Assume the steps to developing the DFD model of a system.

23. Compare and construct the collaboration diagram and sequence diagram.

24. Predict the basic concepts and strategies of white-box testing.

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