NOVEMBER 2025 **52513/325E5D/ 320E5B/327E5B/ 341E5B/326E5B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define: "Software Crisis".
2. What are the different types of software development projects?
3. Write a note on data flow-oriented design.
4. Relate the attributes of bad SRS documents.
5. How to identify the functional requirements?
6. What is semantic domain?
7. Recall the outcome of the software design process.
8. State the purpose of detailed design.
9. How to identify class relationships?
10. Comment on state chart diagram.
11. Recall the aim of program testing.
12. What do you mean by smoke testing?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Summarize the major goals of Rapid Application Development (RAD).

14. Enumerate the basic idea of spiral model with a neat diagram.

15. Devise the characteristics of a good SRS document.

16. Write short notes on function oriented design.

17. Elaborate the classification of coupling.

18. Determine the evolution of UML.

19. Elucidate the software coding standards and guidelines.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Compare and construct the classical waterfall model and iterative waterfall model.

21. Discover the important categories of customer requirements in SRS document.

22. Examine the transformation of a DFD model into structure chart.

23. How to identify the use cases of a system? Explain.

24. Assess the major approaches for integration testing.

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