

APRIL 2024

51431/SU25A/SE26A

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions each in 30 words.

1. List the different applications of software.
2. What is Control Flow-Based design?
3. What is RAD?
4. What is the aim of the requirement analysis?
5. What do you understand by traceability of requirements?
6. Define Decision Table.
7. What is a good software design?
8. What is State Chart?
9. Define Dynamic Binding.
10. Define validation.
11. What is clean room testing?
12. What is Code inspection?

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions each in 200 words.

13. How data structure-oriented software design methodology is different from the data Flow-Oriented design methodology?
14. What are the important activities that are carried out during the feasibility study phase? Explain.
15. How to document the functional requirements? Explain.
16. Explain the different classification of coupling.
17. Give a brief account on structured Analysis.
18. Write short notes on UML diagrams.
19. Explain about OOD testing.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions each in 500 words.

20. Explain spiral model for software development with its features and demerits.
21. Explain in detail the Requirements Gathering and Analysis.
22. Write a detailed note on Data Flow Diagram.

23. Discuss the overview of object-oriented concepts.
24. Write a detailed note on Black-Box testing.