

APRIL 2023

51431/SU25A/SE26A

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Write the aim of the feasibility study?
2. What is Control flow structure?
3. List the task regions in the Spiral model.
4. Define SRS.
5. What are the activities of Requirements Analysis and Specification phase?
6. List down the principles of a software design.
7. What is Coupling?
8. What is functional independence in software design?
9. List the different types of views supported in UML diagram?
10. Define validation.
11. What is failure?
12. What are the different levels of software testing?

III Bsc Cs → Software Engineering

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Why do we use a life cycle model? Explain.
14. Explain the organization of the SRS document.
15. List the different techniques for representing complex logic.
16. Summarize the different types of Cohesion.
17. Write short note on Interaction diagrams.
18. Describe about software documentation.
19. Explain some representative coding standards.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain Water fall model. What are the problems that are encountered when waterfall model is applied?
21. Explain about the formal system development techniques.
22. Summarize on the Data Flow Diagrams with an example.

23. Discuss about the concepts used in object-oriented approach.
24. Explain the various types of White-box testing methods.