

352

Register No.:

April 2024

*Time - Three hours*  
*(Maximum Marks: 100)*

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.  
2. Answer all the questions either (a) or (b) in Part-B. Each question carries 14 marks.]

PART - A

1. What are the components of an SRS?
2. List out any three software characteristics.
3. What do you mean by structured programming?
4. Where is agile scrum used?
5. What is system software configuration management?
6. Mention the different stages in process of risk management.
7. What is software testing?
8. Write any three examples for commercial software testing tool.
9. What is reliability metrics?
10. What is the limitation of ISO 9000 certification?

[Turn over.....

PART – B

11. (a) Explain about any two Software Development Life Cycle Models with necessary diagrams.

(Or)

- (b) Explain the need for Software Engineering.

12. (a) Explain about the architectural design and the design of human computer interface.

(Or)

- (b) What is software project estimation? Explain the steps for estimation with COCOMO model.

13. (a) Explain maintenance cost and factors affecting the efforts.

(Or)

- (b) Write short notes on  
(i) Software risk detection. (7)  
(ii) Types of risks. (7)

14. (a) Explain the black box testing and white box testing.

(Or)

- (b) Explain the life cycle of debugging task and debugging approaches.

15. (a) Explain about all CMM levels.

(Or)

- (b) Explain Reverse engineering process and Re-engineering process.

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