Time : $1\frac{1}{2}$ hours   Maximum :75 marks

SECTION A — (5 × 3 = 15 marks)

Answer any FIVE questions

1. What is testing?

2. What is a purpose of debugging?

3. What is achievable path?

4. What is coincidental correctness?

5. What is the objective of path testing?

6. What is dynamic slicing?

7. What are n-spaces?

8. Give any two examples of linguistic metrics.

9. List any two categories of string errors.

10. What are delimiters?

11. What is inference engine?

12. What are the four components of decision table?

SECTION B — (3 × 10 = 30 marks)

Answer any THREE questions

13. Explain briefly the productivity and quality in software.

14. Explain briefly the testing and design style.

15. Explain the single level marker instrumentation.

16. Explain briefly the application of path testing.

17. Compare path flow and data-flow testing strategies.

18. Explain the basic concepts of paths with examples.

19. Write a short note on states.

SECTION C — (2 × 15 = 30 marks)

Answer any TWO questions

20. List and explain the project models for characterizing a real world context.

21. Explain the transaction flow techniques:

(a) Path selection (b) Sensitization.

22. Discuss about domains and interface testing.

23. Write a detailed note on structural metrics.

24. Describe in detail the decision tables as a basis for test case design.

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