Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is cost model?

2. What is meant by a prototype?

3. Write the rules for forming regular expressions.

4. What is Pseudo code?

5. Define test plan.

6. Define data abstraction.

7. What is asynchronous message passing?

8. Define DFD.

9. Give the objectives of testing.

10. What is configuration management?

11. Define mixed mode.

12. Define metrics.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE Questions.

13. Explain the categories of projects.

14. Write detailed notes on Documentation Guidelines.

15. Explain the structures of software system.

16. What is Formal Verification? Discuss its methods.

17. List out and Explain the maintenance Tools and Techniques.

18. Write a short note on Integration Testing.

19. Write Short notes on user Interface design process.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE Questions.

20. Discuss about the techniques of work breakdown structures.

21. Discuss on various formats of a software Requirements specifications.

22. Write short notes on :

    (a) Type checking (b) static Analysis (c) Symbolic Execution (d) Exception Handling.

23. Explain the software Quality Assurance Plan.

24. Explain Black Box testing methods with its advantages and disadvantages.

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