Time : Three hours
Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define : Software Engineering.

2. What is planning?

3. List the project size categories.

4. What is COCOMO model?

5. Define : Data Dictionary.

6. What is Inspection?

7. Define : Data Design.

8. What is unit testing?

9. What are the steps for software life cycle?

10. What is quality assurance?

11. Define : Debugging.

12. Define : Software maintenance.

III BCA — Software Engineering

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain the concept of planning the development process.

14. Explain in detail about software requirement specification.

15. Write short notes on work break down structures.

16. Discuss about software cost factors.

17. Explain the concept of design guidelines.

18. Explain any four automated tools for software maintenance.

19. Write short notes on : Configuration management.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain about various planning activities in detail.

21. Explain about formal specification techniques with examples.

22. Describe about software cost estimation techniques.

23. Discuss in detail about test plan.

24. Explain about source-code metrics and system testing.

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