Time : Three hours                Maximum : 75 marks

SECTION A – (10 × 2 = 20 marks)

Answer any TEN questions

1.   Define Software Engineering.

2.   List out the planning activities.

3.   Distinguish between Prototype and Simulation Model.

4.   What is COCOMO?

5.   Write a note on: Data Dictionary.

6.   What are Decision Tables?

7.   What is PSL/PSA?

8.   What is the purpose of Test Plan?

9.   Define: Data Abstraction.

10.  List the different types of coupling.

11.  Define: Quality Assurance.

12.  What are Linkage Editors?

III BCA - Software Engineering

SECTION B – (5 × 5 = 25 marks)

Answer any FIVE questions

13. Discuss any FIVE factors that influence Quality and Productivity of Software Products.

14. Write briefly about Planning a Software Project.

15. Discuss briefly on: Characteristics of Various Programming Team Structures.

16. Write short notes on: Software Cost Factors.

17. Discuss about the Software Requirements Specification.

18. Explain about Modules and Modularization Criteria.

19. Write Short Notes on: Configuration Management.

SECTION C – (3 × 10 = 30 marks)

Answer any THREE questions

20. Describe the concept of planning the development process.

21. Explain about any Two Software Cost Estimation Techniques.

22. Explain the formal languages for requirements specification.

23. Explain about Real Time and Distributed System Design.

24. What are the Development activities that Enhance Software Maintainability? Explain about them.

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