

---

SOFTWARE ENGINEERING

---

Time : Three hours

Maximum : 100 marks

## PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. How to understand a problem? Explain.
2. What is training? Explain.
3. What are the factors to be considered for setting project goal?
4. Give the outline for a software verification plan.
5. Explain work break down structure of a project.
6. Explain about Petri nets.
7. How to enhance maintainability?
8. Write short notes on walk through and inspections.
9. Write short notes on types of test.
10. What are source code metrics? Explain.

## PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. What are the software quality characteristics? Explain.
12. Explain about software development through iteration.
13. Write short notes on expert judgement.
14. Explain SADT.
15. Explain stepwise refinement.
16. Explain about system testing.

## PART C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. How to plan an organisation structure? Explain.
18. Explain about format specification techniques.
19. Explain about the various design notations in software design.