

1267/A31

MAY 2008

SOFTWARE ENGINEERING

---

Time : Three hours

Maximum : 100 marks

PART A -- (6 × 5 = 30 marks)

Answer any SIX questions.

1. Explain the distribution of effort in the software life cycle.
2. Explain the factors to consider in project planning.
3. What are the quality attributes of software?
4. List various teams and their function performed by them in project structure.
5. Explain product size as software cost factor.
6. Construct a transition diagram to specify the operation of a bank teller machine.
7. Explain structured flow charts with suitable examples.

8. Explain Coupling and their types.

9. Explain any two functions performed by SQA group.

10. Explain analysis and design activities of software maintenance.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Discuss the format of a project plan.

12. Explain project complexity as a factor that influence software cost.

13. Explain the software requirements specification in detail.

14. Discuss the difference between structured English and structured flowcharts.

15. Explain the software quality assurance plan in detail.

16. Explain the methods of system testing.

PART C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. Discuss various factors that influence quality and productivity of software product.

18. Write an essay on the software cost estimation techniques in detail.

19. (a) Explain any two code metrics.

(b) Explain the system testing in detail.