

**5223/A31**

**MAY 2011**

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**SOFTWARE ENGINEERING**

Time : Three hours

Maximum : 100 marks

**PART A — (6 × 5 = 30 marks)**

Answer any **SIX** questions.

1. What do you mean by Problem Understanding? Explain.
2. What is the necessity of training in Software Development?
3. What are goals and Requirements? Explain.
4. What are reviews? Explain.
5. Write Short Notes on Product Complexity?
6. What are regular expressions? Explain.
7. Explain about the fundamental Software design concepts?

8. Explain about source code metrics?
9. Write Short Notes on Debugging?
10. How to maintain Software?
19. Write Short Notes on :
- (a) Cohesion
  - (b) Unit testing
  - (c) Static analysis.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Explain the format of a project plan?
12. Discuss in detail about Prototype life cycle model?
13. Write Short Notes on Software Cost Factors?
14. Explain about state oriented rotation?
15. What are decision tables? Explain.
16. Explain about Integration testing?

PART C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. How to plan an Organization structure? Explain.
18. Explain SADT in detail.