MAY 2011 **P/ID 17415/RBS**

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

1. (a) What is software engineering? Discuss on software life cycle cost.

Or

(b) What is software metrics? What guidelines should be applied when we collect software metrics?

2. (a) What is software requirement analysis? Discuss how we use the models created during requirement analysis.

Or

(b) Write a short note on Jackson system development.

3. (a) Discuss the points that will lead to a good design.

Or

(b) Compare conventional and object oriented design.

4. (a) What is unit testing? Discuss.

Or

(b) What is debugging? Discuss any one debugging techniques.

5. (a) What is the need for software maintenance? Discuss on maintenance tasks.

Or

(b) What is CASE? Discuss the basic building blocks of CASE.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. What are the objectives of project planning? Discuss on software project estimation. Discuss any one cost estimation techniques.

7. Write short notes on the following :

(a) SADT

(b) Software prototyping.

8. Discuss on functional modelling and information flow.

9. What is object oriented design? Discuss the steps involved in object oriented design.

10. (a) What is validation testing? Discuss on alpha and beta testing.

    (b) What is software quality assurance? Discuss.

11. What are the primary objectives of software testing? Write a short note different testing principles.

12. Discuss on the following :

    (a) Re-engineering

    (b) Integration and testing tools.

13. Write short notes on the following :

    (a) Software myths

    (b) Structured analysis.
