

OCTOBER 2012

**P/ID 17455/RCE/
PCAJ**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Write notes on prototyping model.

Or

(b) Describe process metrics and product metrics.

2. (a) State the major activities of scheduling and tracking.

Or

(b) List out the various factors that affect software quality.

3. (a) Describe the phases in software configuration management.

Or

(b) How to translate the analysis model into a software design? Explain.

4. (a) What are the characteristics and criteria for a good design? Explain.

Or

- (b) Discuss on the importance of requirements analysis in detail.

5. (a) With an example, explain unit testing.

Or

- (b) Describe verification and validation criteria for a software.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Describe the software development life cycle.
7. What are the characteristics of a software? Explain in detail.
8. What is risk management? Explain the role of risk management in software development.
9. Explain the information to be contained in a software requirement specification document.
10. Discuss on how modular design can be improved. Explain the measures needed for it.

11. Describe the plans for quality assurance.
 12. Explain the functional testing in detail.
 13. Write about real time systems design.
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