M.C.A. DEGREE EXAMINATIONS: NOVEMBER 2009

Third Semester

P07CA303 SOFTWARE ENGINEERING

Time: Three Hours   **Maximum Marks: 100**

Answer ALL Questions:-

PART A (10 x 2 = 20 Marks)

1. Write any two objectives of Team Software process.

2. What is the work product from the point of view of a Software engineer?

3. What are the components in System Engineering Hierarchy?

4. Draw the System Context Diagram for CLSS?

5. Define Design Patterns.

6. Write short notes on Re-factoring.

7. What Errors are commonly found during Unit Testing?

8. What problem may be encountered when Top-Down Integration is Chosen?

9. What steps are required to perform statistical SQA?

10. What are the Core steps of the Six Sigma Methodology?

PART B (5 x 16 = 80 Marks)

11.a) (i) Explain the Prototyping model and Spiral model.   (8)

    (ii) Describe about Concurrent Model and Final Comment on Evolutionary Processes.   (8)

(OR)

  b) (i) Describe Agility (for Software Projects) in your own words   (8)

    (ii) Write in detail about Planning Practices Principles.   (8)

12. a) Explain about System Modeling and System Simulator

(OR)

b) Write short notes on Eliciting Requirements. Discuss its Importance.

13. a) Discuss Fundamental Software Design Concepts.

(OR)

b) Summarize Architecture design concepts. Explain its components.

14. a) Write in detail about Black Box Testing.

(OR)

b) Describe Test Strategies for Conventional Software.

15. a) Discuss all of SQA Background issues and its Activities.

(OR)

b) Write short notes on Software Configuration Management.

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