ET 463 R/863 R

B.Tech. DEGREE EXAMINATION, NOVEMBER 2010.

Sixth Semester -

CSE

SOFTWARE ENGINEERING AND ARCHITECTURE

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define customised software products.

2. Define waterfall model.

3. What do you mean by composition model?

4. Define specification naming.

5. What is function - oriented pipelining?

6. Define active objects.

7. What is mission - critical systems?

8. Define defect testing.

9. Expand COCOMO.

10. Define quality control.

SECTION B — (5 × 11 = 55 marks)

Answer ALL questions ONE from each Unit.

All questions carry equal marks.

UNIT I

11. Write notes on emerging system properties. (11)

Or

12. Discuss Risk Management in detail. (11)

UNIT II

13. Discuss user requirements in detail. (11)

Or

14. Explain interface specification in detail. (11)

UNIT III

15. Discuss modular decomposition in detail. (11)

Or

16. Discuss various user interface design issues. (11)

UNIT IV

17. Explain safety in the critical systems in detail. (11)

Or

18. Discuss clean room software development in detail. (11)

UNIT V

19. Discuss

    (a) Algorithmic cost model in project planning. (5)

    (b) Project duration and staffing. (6)

Or

20. Discuss

    (a) Quality control. (6)

    (b) Quality planning. (5)

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