LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIFTH SEMESTER – APRIL 2010

CS 5505/CS 5502 - SOFTWARE ENGINEERING

Date & Time: 27/04/2010 / 1:00 - 4:00   Dept. No.   Max. : 100 Marks

PART – A

Answer ALL the Questions   **(10 x 2 = 20 marks)**

1. What are the types of software myths? Give an example.

2. Define software metrics.

3. What are the characteristics of risk?

4. State the purpose of SCM activities.

5. What are the objectives of Analysis model?

6. Give the characteristics of the Attributes.

7. What is abstraction?

8. Draw the diagram of the design model.

9. What are the objectives of Software testing?

10. Define Debugging.

PART – B

Answer ALL the Questions   **(5 x 8 = 40 marks)**

11. (a) Explain classic life cycle model in detail.

                    (or)

      Write short notes on Defect Removal Efficiency.

12. (a) How risk item checklist is used to identify predictable risks in various categories.

                    (or)

    (b) Discuss about software prototyping.

13. (a) Write short notes on cardinality and modality.

                    (or)

    (b) Draw a DFD for a banking system.

14. (a) Write the principles for software design.

                    (or)

    (b). Write short notes on Cohesion and Coupling.

15. (a) Give the testing principles.

                    (or)

    (b). State McCall's Quality factors.

Answer Any TWO Questions   **(2 x 20 = 40 marks)**

16. (a) Discuss about Constructive Cost Model .

    (b) What are the various informations that have to be mentioned in a software requirement specification?

17. (a) Explain the structure of the Analysis Model with a neat diagram.

    (b) Discuss about any one of the classical analysis method in detail.

18. (a) What are the five criteria that enables one to evaluate a design method with respect to its ability to define an effective modular system.

    (b) Discuss about white box testing.

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