LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIFTH SEMESTER – NOVEMBER 2011

CS 5505/CS 5502 - SOFTWARE ENGINEERING

Date : 02-11-2011   Dept. No.   Max. : 100 Marks
Time : 9:00 - 12:00

PART – A

Answer all the questions   (10x2=20)

1. Differentiate Software engineering methods, tools and procedures.
2. Mention the reason for measuring the software.
3. List out the tools or methods available for rapid prototyping.
4. Define: Software prototyping.
5. What is DFD?
6. What is meant by Cardinality and Modality?
7. Define: Abstraction
8. What is Cohesion?
9. Mention the attributes of Good Test?
10. What are the Basic Principles of Software Testing?

PART – B

Answer ALL the questions   (5 x 8=40)

11. (a) Explain about the software myths.
                    (OR)
    (b) Write a short note on software project planning.

12. a) Explain about the modeling of the system architecture.
                    (OR)
    (b)Explain about the prototyping methods and tools.

13. (a)Explain about the elements of analysis model.
                    (OR)
    (b) Discuss about the DSSD with example.

14. (a)Explain about the evolution of software design.
                    (OR)
    (b)Discuss about the effective modular design.

15. (a) Explain about the debugging in detail.
                    (OR)
    (b)Discuss the factors of software quality.

PART – C

Answer any TWO questions   (2 x20=40)

16. (a) Discuss in detail about the linear sequential model in detail.
    (b)Explain the fundamentals of requirement analysis.

17. (a)Explain about the DFD and JSD in detail.
    (b) Discuss about the software design concepts in detail.

18. (a) Discuss about the testing fundamentals in detail.
    (b)Explain about the black box testing in detail.

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