STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2008–09)

SUBJECT CODE: CS/PC/ST34

M.Sc. DEGREE EXAMINATION, NOVEMBER 2009
INFORMATION TECHNOLOGY
THIRD SEMESTER

COURSE   : MAJOR CORE
PAPER   : SOFTWARE TESTING
TIME   : 3 HOURS   MAX. MARKS: 100

SECTION – A   **(10X2=20)**
ANSWER ALL THE FOLLOWING QUESTIONS:

1. What is software engineering?

2. What is testing?

3. List the different stages of software development cycle.

4. Write the advantages of prototyping.

5. What is beta testing?

6. List the differences between verification and validation.

7. What is defect reporting?

8. List the different types of defects.

9. List uses of Software metrics.

10. List advantages of automation tools.

SECTION – B   **(6X5=30)**
ANSWER ANY SIX OF THE FOLLOWING QUESTIONS:

11. Why do we need software engineering?

12. Discuss about software requirements engineering

13. Explain about the important components of cost of quality.

14. Explain about defect tracking.

15. Discuss about any two software metrics.

16. Why testing is difficult?

17. What are test cases? Explain the techniques used in selecting them.

18. Why do we need automated testing tools?

SECTION – C (5X10=50)
ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS:

19. Discuss the criteria for the success of a software project.

20. Explain water fall model in detail.

21. Explain software design phase in detail.

22. Explain about different testing approaches.

23. Discuss about review efficiency and defect removal efficiency.

24. Explain the preparation of test plan.

25. Discuss about

      a. Test management tool

      b. Performance tool

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