

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted during the academic year 2009-10)

SUBJECT CODE : CS/PC/ST44

M. Sc. DEGREE EXAMINATION, APRIL 2011
INFORMATION TECHNOLOGY
FOURTH SEMESTER

COURSE : CORE
PAPER : SOFTWARE TESTING
TIME : 3 HOURS

MAX. MARKS : 100

SECTION-A

Answer all the questions:

10X2=20

1. What are the criteria for the success of software projects?
2. Define failures.
3. What are the major goals of integration testing?
4. Define Stress testing.
5. Define test plan.
6. What are the defect related goals?
7. List out the types of reviews?
8. What is process optimization?
9. Write any four code coverage.
10. Explain performance testing tools.

SECTION-B

Answer any six questions.

6X5=30

11. Explain test cases.
12. Explain : Verification and Validation.
13. What is black box testing?
14. What are the origin of defects?
15. Write the necessary elements to implement defect prevention program.
16. What are the components of review plans?
17. Explain Defect Removal Leverage (DRL).
18. What are the advantages of using automation tools for software testing?

SECTION-C

Answer any five questions:

5X10=50

19. Explain about software quality and software quality assurance group.
20. Explain: a) White box testing b) Regression testing
 c) Performance testing d) Acceptance testing
21. Discuss the levels of testing.
22. Explain the components of test plan?
23. Explain the benefits of defect analysis and defect prevention process.
24. Explain the TMM structure.
25. Explain various testing tools.
