

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

SECOND SEMESTER – APRIL 2010

CS 2953 - SOFTWARE TESTING AND QUALITY ASSURANCE

Date & Time: 29/04/2010 / 9:00 - 12:00 Dept. No.

Max. : 100 Marks

PART – A

Answer **ALL** the questions

(10 x 2 = 20)

- 1) What is Software testing?
- 2) Define the term: “The Outline Approach”.
- 3) What do you mean by a test case?
- 4) What are the uses of tables and test cases?
- 5) What is Inheritance?
- 6) List out the features of test execution issues.
- 7) Write all the features of functional testing.
- 8) What is Scalability testing?
- 9) Define User satisfaction test.
- 10) Define Quality assurance.

PART – B

Answer **ALL** the questions

(5 x 8 = 40)

- 11) a) Describe any three test categories.
(Or)
b) Explain briefly about Schedule estimation.
- 12) a) Explain about the documentation shortcuts.
(Or)
b) Give a brief note on detailed test descriptions while documenting test cases.
- 13) a) What is state machine? Explain the State transition with a neat diagram.
(Or)
b) Explain about the Test cases from Use cases.
- 14) a) Write a short note on Post implementation testing.
(Or)
b) Explain in detail about Database testing.
- 15) a) Give a brief note on the activities of Software Quality Assurance.
(Or)
b) Explain briefly about six sigma for software engineering.

PART – C

Answer any **TWO** questions

(2 x 20 = 40)

- 16) a) Discuss in detail about Incremental testing approach.
b) Explain in detail about the documentation approaches.
- 17) a) Give a brief account on System testing.
b) Explain in detail about Usability testing.
- 18) a) Discuss in detail about the formal technical reviews.
b) Give a brief account on Security testing.
