

M.Sc. DEGREE EXAMINATION, NOVEMBER 2013
INFORMATION TECHNOLOGY
THIRD SEMESTER

COURSE : MAJOR CORE
PAPER : SOFTWARE TESTING
TIME : 1 ½ HOURS

MAX. MARKS: 50

SECTION – A

Answer **ALL** the questions

(5 * 2 = 10 Marks)

- 1) Define Verification and Validation.
- 2) List the four categories of TSL functions.
- 3) What is Testability?
- 4) Define Gray box Testing.
- 5) What is Functional Testing?

SECTION – B

Answer any **FOUR** questions

(4 * 5 = 20 Marks)

- 6) Write a short note on Test Cases.
- 7) Explain the procedure to map the custom object to a standard class.
- 8) Differentiate between the Static and Dynamic Testing.
- 9) Explain Equivalence Partitioning and Boundary Value Analysis.
- 10) What is the difference between Black Box Testing and White Box Testing?
- 11) Write a short note on Acceptance Test Criteria.

SECTION - C

Answer any **TWO** questions

(2 * 10 = 20 Marks)

- 12) Explain in detail about the Levels of Testing.
- 13) How to incorporate testability into software?
- 14) Write a short note on
 - (a) Reliability Testing.
 - (b) Stress Testing.
 - (c) Data Driven Testing.
 - (d) Scalability Testing.
 - (e) Mutation Testing.
