

**MSc. DEGREE EXAMINATION – OCTOBER 2015**  
**THIRD SEMESTER**  
**Computer Science**  
**Paper IV –SOFTWARE TESTING**

Time : 3 Hours

Max.Marks : 75

PART – A (5 X 3 = 15 Marks)

Answer any FIVE questions.

Each Question carries Three (3) marks.

Each Answer should not exceed One (1) page.

1. Give a note on taxonomy of Bugs?
2. Differentiate between verification and validation?
3. What is generalization?
4. Differentiate between transactional flow and data flow testing?
5. What is domain and interface?
6. What is test case?
7. What are charts and states?
8. What is decision table?

PART – B (4 X 15 = 60 Marks)

Answer ALL questions.

Each Question carries Fifteen (15) marks.

Each Answer should not exceed Six (6) pages.

9. Give an overview of path testing and discuss about path sensitizing along with an application of path testing?

(OR)

10. Explain in detail about the model for testing with an illustration?
11. Define transaction flow testing and explain in detail transactional flow testing techniques?

(OR)

12. Define dataflow testing and discuss about various data flow testing strategies?

13. Discuss about the nice domains and ugly domains with an example?

(OR)

14. Write a short note on test case generation, implementation and applications of syntax testing?

15. What are state graphs? Explain about good state graphs and bad state graphs with a suitable illustration?

(OR)

16. What are KV charts? Discuss about specifications and the purpose in logic based testing?

