

R07**Code: R7310502**

B.Tech III Year I Semester (R07) Supplementary Examinations December 2015

SOFTWARE TESTING METHODOLOGIES

(Common to CSE and IT)

(For 2008 regular admitted batch only)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 Explain the following:
 - (a) Structural bugs.
 - (b) Coding bugs.
- 2 Explain the following:
 - (a) Flow graph.
 - (b) Path predicate expression.
 - (c) Path coverage.
 - (d) Selection criteria.
- 3 What is transaction flow? How it can be implemented? What are its uses?
- 4 (a) What is a nice domain? Give an example for nice two-dimensional domains.
(b) Explain nice and ugly domains.
- 5 How the parallel Terms and Loop Terms are removed in a flow graph? Explain with example.
- 6 (a) Explain logic-based testing.
(b) Explain the testability tips of logic based testing.
- 7 (a) Differentiate Good state graphs and Bad state graphs.
(b) With example, explain about the Transition bugs.
- 8 (a) What is connection matrix? Explain with an example.
(b) Explain transpose, intersection and union of matrices.
