

Code No: 57047

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B. Tech IV Year I Semester Examinations, December - 2014****SOFTWARE TESTING METHODOLOGIES****(Common to CSE, IT)****Time: 3 Hours****Max. Marks: 75****Answer any Five Questions
All Questions Carry Equal Marks**

- 1.a) Explain the different purposes of testing.
- b) Describe the model for testing.
2. Define Path sensitization and explain the procedure used in path sensitization.
- 3.a) What are transaction flows? Explain transaction flow testing techniques.
- b) What is Data flow testing? Explain the strategies in data flow testing.
- 4.a) What is domain testing? Discuss various applications of domain testing.
- b) Explain about domains and testability.
5. Explain about Regular Expressions and Flow Anomaly Detection.
- 6.a) Discuss the role of decision table in a test-case design.
- b) How can we expand the immaterial cases in the decision table?
7. What are state graphs? Explain state graphs with implementation.
8. What are graph matrices and their applications?

--00000--