

Code No: 09A70502

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, November - 2013

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 a model for software testing.
- b) Distinguish between data bugs and coding bugs. [15]
- 2.a) Explain the Heuristic procedures for sensitizing paths.
- b) What is Predicate coverage? Explain with an example. [15]
3. Discuss the significance of transaction flow testing. Explain various transaction flow testing techniques. [15]
- 4.a) Distinguish between nice domains, paths, and predicates.
- b) Distinguish between nice domains and ugly domains. [15]
- 5.a) Explain path products and path expression with suitable examples.
- b) Discuss clearly about flow anomaly detection. [15]
6. What are the decision tables? Discuss about decision table processors and K_v Charts. [15]
7. Define the terms state and state graph. Distinguish between good state graph and Bad state graphs. Give suitable example to each of them. [15]
8. Write short notes on the following.
 - a) Power of Matrix
 - b) Win – runner
 - c) Testability tips. [15]
