

Code No: 57047

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, May/June - 2015

SOFTWARE TESTING METHODOLOGIES

(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks

1. List out various Dichotomies in testing and explain. [15]
- 2.a) Differentiate between flow charts and control flow graphs.
b) State and explain path predicates and achievable paths. [8+7]
- 3.a) What are transaction flows? Explain transaction flow testing techniques.
b) What is Data flow testing? Explain the application of data flow testing. [8+7]
- 4.a) Explain different Nice and Ugly domains.
b) Explain the schematic representation of domain testing with diagram. [7+8]
5. Write short notes on:
a) Path Products
b) Path Expressions
c) Path Sums. [5+5+5]
6. What is decision table? How does it is useful in testing? Explain with the help of an example. [15]
- 7.a) Differentiate between good state graphs and bad state graphs.
b) What are the principles of state testing? Explain its merits and demerits. [8+7]
- 8.a) Write an algorithm for node reduction.
b) Illustrate the applications of node reduction algorithm. [8+7]

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