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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech II Semester Examinations, October/November 2011
SOFTWARE TESTING METHODOLOGIES
(INFORMATION TECHNOLOGY)

Time: 3hours   **Max. Marks: 60**

Answer any five questions
All questions carry equal marks
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1.a)   Define Testing. Why do we need Testing?
  b)   Define Bug. Explain about the Taxonomy of Bug.   [6+6]

2.a)   Define Flow graph. Explain about Predicate Path.
  b)   Explain about Path Synthesization and Instrumentation.   [6+6]

3.   Explain in detail about Data flow testing strategies.   [12]

4.a)   Explain about Nice and Ugly Domains.
  b)   Explain about Domain and Interface Testing.   [6+6]

5.a)   Define Regular Expression. Explain about Path Expressions in detail.
  b)   Explain in brief about Path product.   [6+6]

6.a)   Explain about Decision tables in Logic based Testing.
  b)   Explain about Key Charts in Logic based Testing.   [6+6]

7.   Explain in detail about Transition Testing.   [12]

8.a)   Explain about Applications of Graph Matrices.
  b)   Explain in detail about Win runner.   [6+6]

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