

Code No: B4005

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II SEMESTER EXAMINATIONS, APRIL/MAY 2012
SOFTWARE TESTING METHODOLOGIES
(INFORMATION TECHNOLOGY)**

Time: 3hours

Max.Marks:60

**Answer any five questions
All questions carry equal marks**

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1. What is a software bug? Discuss the taxonomy of bugs in detail.
2. What is a path testing? Explain the applications of it in detail.
3. What is a data flow testing? Explain various strategies of data flow testing in detail.
4. (a) What is a domain? Differentiate between nice and ugly domains.
(b) Differentiate between domain and interface testing.
5. Explain about paths, path products and regular expressions in detail.
6. Explain about kv charts and decision tables in detail.
7. What is a state graph? Explain about state testing in detail.
8. Write short notes on the following.
 - (a) Graph matrix.
 - (b) Transaction flow.
 - (c) Model for testing.
