III B.Tech I Semester Regular Examinations,Nov/Dec 2009
Software Testing Methodologies
Common to Information Technology, Computer Science And Engineering
Time: 3 hours   Max Marks: 80
Answer any FIVE Questions
All Questions carry equal marks
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1. (a) Explain the different two-dimensional Domain bugs.
   (b) Explain different one-dimensional domain bugs.   [8+8]

2. (a) Differentiate between good state graphs and bad state graphs.
   (b) What are principles of state testing? Explain its advantages and disadvantages.   [8+8]

3. (a) What are the different operators Used in Boolean Algebra and give tracts tables for them?
   (b) State and Explain laws of Booleans Algebra.   [8+8]

4. (a) Explain how the transaction flow-graph is used in functional testing.
   (b) Explain Births and mergers in Transactions.   [8+8]

5. (a) Explain the difference between control flow graph and flow chart?
   (b) Draw a flow graph for calculating the sum of n given numbers algorithm.[8+8]

6. Define path product, path expression and path sum. Explain with Examples. [16]

7. (a) Explain the procedure used in quantifying the nightmare list to stop testing?
   (b) Explain the 5 types of Structural bugs.   [8+8]

8. (a) Write about equivalence relation and partial ordering relation.
   (b) Write relative merits and demerits of different Graph Matrix representations.
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