

**R09****Code: 9A05702**

B.Tech IV Year I Semester (R09) Regular &amp; Supplementary Examinations December 2015

**SOFTWARE TESTING**

(Common to CSE and IT)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 List out various Dichotomies and explain.
- 2 (a) Explain about path instrumentation. How does link counters are useful in path instrumentation method.  
(b) Write about implementation of path testing. What are the various applications of path testing?
- 3 (a) How an Anomaly can be detected? Explain different types of data flow anomalies and data flow anomaly state graphs.  
(b) Write applications of data flow testing.
- 4 Explain the domain boundary bugs for two dimensional domains.
- 5 Write short notes on:
  - (a) Path products.
  - (b) Path expressions.
  - (c) Path sum.
  - (d) Loops.
- 6 What is decision table and how does it is useful in testing? Explain it with the help of an example.
- 7 (a) Differentiate between good state graphs and bad state graphs.  
(b) What are the principles of state testing? Explain its advantages and disadvantages.
- 8 Write relative merits and demerits of different graph matrix representations.

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