Code :07A5EC10

III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011
SOFTWARE TESTING METHODOLOGIES
(Computer Science & Engineering, Information Technology)
(For students of RR,R05 regulation readmitted to III B.Tech II Semester R07)

Time: 3 hours   **Max Marks: 80**

Answer any FIVE questions
All questions carry equal marks
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1. (a) What are the differences between functional and structural testing with an example?
   (b) What are the jobs done by tester and designer?
   (c) What are the different types of testing?

2. (a) Explain about single link marker Instrumentation?
   (b) Why single link markers aren't enough?

3. Explain in detail about dataflow anomalies.

4. (a) Explain nice and ugly domains.
   (b) Describe the interior point, boundary point, and extreme point.

5. (a) How you find the path expression for any loop? Explain with example.
   (b) What are the rules existing if path, whose length is zero? Explain with example.

6. Explain Boolean algebra. Give the rules of Boolean algebra.

7. (a) Define State and explain State graphs.
   (b) Explain about the Encoding Bugs.

8. (a) Write the applications of graph matrices.
   (b) Give the basic principles of a graph matrix.

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