Code: R7310502

R07

III B. Tech I Semester (R07) Supplementary Examinations, May 2012
SOFTWARE TESTING METHODOLOGIES
(Common to Computer Science & Engineering & Information Technology)

Time: 3 hours   Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1 (a) What are differences between productivity and quality in software and manufacturing?
   (b) Explain the phases in a tester's mental life.

2   What is meant by statement testing and branch testing? Give suitable examples.

3   What is transaction flow? Explain in detail about the transaction flow structure.

4 (a) Explain the simple domain boundaries and compound predicates.
   (b) Classify what can go wrong with boundaries.
   (c) What is the purpose of domain testing?

5   Write about any two applications of regular expressions.

6 (a) What are decision tables explain with an example?
   (b) Explain how you expand immaterial cases in decision tables.

7 (a) What is meant by finite state machine? Explain briefly about the state graphs.
   (b) Write short notes on transition bugs.

8 (a) Explain the representation of matrix in software.
   (b) Explain matrix operations.

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