Code: 9A05702

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2014

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　(a)　What is a bug? What are the five phases of a tester's thinking?
　(b)　What are the differences between functional and structural testing? Explain.
　(c)　What is a project? List the eight components that are available in the model of the project in real world? Explain.

2　(a)　What are the goals of path testing?
　(b)　Explain path sensitizing. Give examples.
rite(c)　W　a note on application of path testing.

3　(a)　Write notes on transaction-flow inspection, receivers and work through.
　(b)　What is the motivation for data flow testing?
　(c)　Give a brief note on data flow graphs.

4　(a)　What are the advantages of domain testing?
　(b)　Explain Nice domain.
ive (c)　G　a brief notes on closure compatibility and span compatibility.

5　(a)　Explain path products and path expression in detail.
　(b)　Explain maximum path count arithmetic with an example.

6　(a)　Write notes on decision trees.
　(b)　Explain the procedure for specification validation.

7　(a)　What is a state? Write notes on state graph.
　(b)　Explain transition bugs.
　(c)　What are the advantages of state testing?

8　(a)　What is a relation? What are the properties of relations?
　(b)　Write notes on powers of a matrix.
　(c)　Give a brief note on Win-runner.

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