

Code No: RR411205

RR

Set No. 2

IV B.Tech I Semester Examinations, November 2010
SOFTWARE TESTING METHODOLOGIES
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
 All Questions carry equal marks

1. What are Domain bugs? How to test them? [16]
2. (a) Give differences between Functional testing and Structural testing.
 (b) Specify on which factors the importance of bugs depends? And give the metric for it.
 (c) Briefly explain various consequences of bugs.
 (d) What are the remedies for test bugs? [4+4+4+4]
3. (a) Write an algorithm for Node Reduction (General).
 (b) Illustrate the applications of Node Reduction algorithm. [8+8]
4. (a) Explain about control flow graphs.
 (b) What are the advantages and disadvantages of Control flow graphs. [10+6]
5. Define the terms:
 (a) Literals.
 (b) Product Term.
 (c) Sum-of-Products form.
 (d) Prime Implicant. [4+4+4+4]
6. (a) Implementation of a transaction flow is usually implicit in the design of the systems control structure & Database, Explain.
 (b) Discuss about sensitization & instrumentation based on transaction flows. [8+8]
7. (a) Define structured code. Explain lower path count Arithmetic.
 (b) What is the looping probability of a path expression? Write arithmetic rules. Explain with an example. [8+8]
8. Write short notes on:
 (a) Transition bugs
 (b) Dead states
 (c) State bugs
 (d) Encoding bugs. [4+4+4+4]

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Set No. 4

IV B.Tech I Semester Examinations, November 2010
SOFTWARE TESTING METHODOLOGIES
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
 All Questions carry equal marks

1. Write short notes on:

- (a) Transition bugs
- (b) Dead states
- (c) State bugs
- (d) Encoding bugs. [4+4+4+4]

- 2. (a) Give differences between Functional testing and Structural testing.
- (b) Specify on which factors the importance of bugs depends? And give the metric for it.
- (c) Briefly explain various consequences of bugs.
- (d) What are the remedies for test bugs? [4+4+4+4]

- 3. (a) Implementation of a transaction flow is usually implicit in the design of the systems control structure & Database, Explain.
- (b) Discuss about sensitization & instrumentation based on transaction flows. [8+8]

- 4. (a) Explain about control flow graphs.
- (b) What are the advantages and disadvantages of Control flow graphs. [10+6]

5. Define the terms:

- (a) Literals.
- (b) Product Term.
- (c) Sum-of-Products form.
- (d) Prime Implicant. [4+4+4+4]

- 6. (a) Define structured code. Explain lower path count Arithmetic.
- (b) What is the looping probability of a path expression? Write arithmetic rules. Explain with an example. [8+8]

- 7. (a) Write an algorithm for Node Reduction (General).
- (b) Illustrate the applications of Node Reduction algorithm. [8+8]

- 8. What are Domain bugs? How to test them? [16]

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RR**Set No. 1**

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SOFTWARE TESTING METHODOLOGIES
Information Technology

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

Answer any FIVE Questions
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 (a) Transition bugs
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 (b) Illustrate the applications of Node Reduction algorithm. [8+8]

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Set No. 3

IV B.Tech I Semester Examinations, November 2010
SOFTWARE TESTING METHODOLOGIES
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Define structured code. Explain lower path count Arithmetic.
 (b) What is the looping probability of a path expression? Write arithmetic rules. Explain with an example. [8+8]
2. (a) Give differences between Functional testing and Structural testing.
 (b) Specify on which factors the importance of bugs depends? And give the metric for it.
 (c) Briefly explain various consequences of bugs.
 (d) What are the remedies for test bugs? [4+4+4+4]
3. Define the terms:
 (a) Literals.
 (b) Product Term.
 (c) Sum-of-Products form.
 (d) Prime Implicant. [4+4+4+4]
4. (a) Write an algorithm for Node Reduction (General).
 (b) Illustrate the applications of Node Reduction algorithm. [8+8]
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 (a) Transition bugs
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