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[4968]-6004

B.C.A. (Sixth Semester) EXAMINATION, 2016

SOFTWARE TESTING (604)

(2013 PATTERN)

Time : Three Hours

Maximum Marks : 80

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

1. Attempt any *eight* of the following : [2×8=16]

- (i) What is Debugging ?
- (ii) Define Smoke testing.
- (iii) Define Measure in S/W metrics.
- (iv) What are Testing objectives ?
- (v) Name the *four* steps of Real-time system testing.
- (vi) Define Driver.
- (vii) Define Regression testing with example.
- (viii) State disadvantages of sandwich-approach of testing.
- (ix) Explain the nature of errors.
- (x) State the need of Automation.

2. Attempt any *four* of the following : [4×4=16]

- (i) Explain size-oriented metric in detail.
- (ii) Explain Boundary-value analysis in detail.
- (iii) Explain testing of documentation and help facilities.
- (iv) Explain all testing-principles in detail.
- (v) Explain in detail how a test case is designed.

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3. Attempt any *four* of the following : [4×4=16]
- (i) Explain To-down approach of Integration testing with diagram.
 - (ii) Explain objective and types of GUI.
 - (iii) Explain V-V model of testing in detail.
 - (iv) Explain J unit testing tool in detail.
 - (v) State and explain difference between load and stress testing.
4. Attempt any *four* of the following : [4×4=16]
- (i) Explain unit-testing with its advantages.
 - (ii) Explain the testing of client-server architecture in detail.
 - (iii) Explain the difference between alpha (α) and Beta (β)-testing.
 - (iv) Explain Testing-fundamentals in detail.
 - (v) Explain load-runner testing tool in detail.
5. Write short notes on any *four* of the following : [4×4=16]
- (i) Testing Process
 - (ii) Agile testing
 - (iii) Big-Bang approach of testing
 - (iv) Complexity Metric with example
 - (v) Rational Robot.