



B.C.A. (Semester – V) (Revised) Examination, October 2013
SOFTWARE TESTING

Duration : 2 Hours

Total Marks : 50

Instructions : 1) **All questions are Compulsory.**
2) **Figures to the right indicate full marks.**

1. A) Fill in the blanks : (5×1=5)
- i) System integration is also known as _____
 - ii) _____ represents the relationship between two classes in a class diagram.
 - iii) The testing that validates speed and aesthetics of the product from the user's point of view is called _____
 - iv) _____ is the delay between the point of request and the first response from the product.
 - v) Developing software to test the software is called _____
- B) Answer in **one** or **two** statements : (5×1=5)
- i) What is Localization testing ?
 - ii) List any two differences between quality control and quality assurance.
 - iii) What do you mean by adaptive maintenance ?
 - iv) List any two advantages of static testing done by humans.
 - v) What is the purpose of user documentation ?
2. Answer the following : 10
- A) What are the needs to perform software testing ? 2
 - B) Explain formal Inspection in detail. 3
 - X) Define compatibility testing. What are the parameters that generally affect the compatibility of the product ? 5
- OR
- Y) Explain Performance Benchmarking in detail. 5

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3. Answer the following : 10
- A) Explain the two types of regression testing in detail. 2
- B) Discuss pair testing in detail. 3
- X) What is Beta Testing ? Explain the various activities involved in beta program. 5

OR

- Y) Discuss top-down and bottom-up integration testing approaches with examples. 5
4. Answer the following : 10
- A) What are the business impacts of Globalization ? 2
- B) Discuss scope management in test planning. 3
- X) Explain briefly the various basic accessibility features. 5

OR

- Y) Discuss the different types of software documentation in detail. 5
5. Answer the following : 10
- A) What are the different types of metrics ? 2
- B) Write a short note on software configuration management. 3
- X) Explain integration testing of object oriented systems. 5

OR

- Y) "Testing is destructive as much as it is constructive, like the two sides of a coin". Comment on the statement with valid reasons. 5