



**B.C.A. (Semester - V) Examination, October 2015**  
**SOFTWARE TESTING**

Duration : 2 Hours

Total Marks : 50

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

1. I) Define : (1×5=5)
- a) Regression testing.
  - b) Compatibility testing.
  - c) Stress testing.
  - d) Response time.
  - e) Test automation.
- II) Answer the following in **one** or **two** statements : (1×5=5)
- a) Explain desk checking in brief.
  - b) Why is ad hoc testing called as "monkey testing" ?
  - c) Differentiate between regular and final regression testing.
  - d) Discuss verification and validation issues in waterfall model.
  - e) What is the purpose of locale testing ?
2. Answer the following : 10
- A) List out some of the differences between quality control and quality assurance. 2
  - B) Write short notes on equivalence partitioning. 3
  - X) Discuss the differences between functional and non-functional testing. 5
- OR
- Y) Explain in detail performance benchmarking. 5
3. Answer the following : 10
- A) Differentiate top-down and bottom-up integration testing. 2
  - B) Briefly explain the different types of character set standards used in I18n testing. 3
  - X) How can unit testing be performed for a set of classes in an object oriented system ? Explain them briefly. 5
- OR
- Y) Write short notes on keyboard and screen accessibility features. 5

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4. Answer the following : 10
- A) Differentiate between object oriented systems and procedure oriented systems. 2
  - B) Explain in detail pair testing. 3
  - X) Discuss the different types of software maintenance. 5

OR

- Y) "Testing is not technically challenging". Comment on this misconception with valid reasons. 5

5. Answer the following : 10
- A) List any four tools used in SCM. 2
  - B) Discuss some of the advantages and disadvantages of testing team structures for single product companies. 3
  - X) Discuss the various types of software documentation. 5

OR

- Y) Write short notes on Risk Management. 5