

**B.C.A. (Semester – V) Examination, October 2017**  
**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 : (1×5=5)
- a) \_\_\_\_\_ is meeting of expected software requirements.
  - b) \_\_\_\_\_ is the testing performed to evaluate response time, throughput and system utilization of products.
  - c) \_\_\_\_\_ metrics help in finding out how well the team is progressing.
  - d) \_\_\_\_\_ maintenance is done to adapt to the changing user requirements.
  - e) \_\_\_\_\_ is a milestone in software development that is marked by the delivery of one or more configuration items.
- B) Define the following : (1×5=5)
- a) Verification
  - b) Pair Testing
  - c) Test suite
  - d) Program Documentation
  - e) Software Version Control.
2. Answer the following :
- A) List the differences between quality control and quality assurance. 2
  - B) Explain any 3 methods of functional system testing. 3
  - C) What is Black Box Testing ? List out the different Black Box testing techniques. 5
3. Answer the following :
- A) "Regression Testing is very crucial for object oriented systems." Justify. 2
  - B) What is Test Automation ? How does it enable a human effort to be spent on creative testing ? 3
  - C) Write a short note on Accessibility Testing. 5

P.T.O.



4. Answer the following :

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|--|---|
| A) What is SCM ? What is the need for SCM ?            | 2 |
| B) Why are test metrics required in software testing ? | 3 |
| C) State any 5 misconceptions about software testing.  | 5 |

5. A) Explain perfective maintenance in detail.

2

B) List any 3 qualities of good documentation.

3

C) Explain the different tools used in testing Object Oriented System.

5

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