



RD – 01

**B.C.A. (Semester – V) Examination, October 2016**  
**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)
  - a) The capability of system in handling multiple transactions is determined by \_\_\_\_\_
  - b) \_\_\_\_\_ attempts defect prevention by concentrating on the process of producing the product.
  - c) \_\_\_\_\_ is series of steps executed on a product, using pre-defined set of input data, expected to produce pre-defined set of output.
  - d) \_\_\_\_\_ maintenance is done to adapt to the changing user requirements.
  - e) \_\_\_\_\_ integration is also called as Sandwich Integration.
- B) Answer the following in **one** or **two** sentences : (5×1=5)
  - a) Differentiate between verification and validation.
  - b) Define Productivity Metrics.
  - c) What is Regression Testing ?
  - d) Give 1 goal of Software Documentation.
  - e) What is Software Configuration Management ?
2. Answer the following : 10
  - A) What is the need to perform Software Testing ? 2
  - B) Explain Change Control procedure in SCM. 3
  - C) Explain Black Box Testing. List out the different Black Box Testing Techniques. 5
3. Answer the following : 10
  - A) What is Smoke Test ? 2
  - B) Briefly explain how Risk Management is handled in Software Testing ? 3
  - C) Write a short note on Misconceptions of Software Testing. 5

P.T.O.





4. Answer the following :

10

A) "Heavy emphasis on reusability of code makes system testing even more important for Object Oriented Systems." Justify.

2

B) State any 3 aspects one has to follow in Test Planning.

3

C) Explain any 5 features of Object Oriented Systems.

5

5. Answer the following :

10

A) What is Corrective Maintenance ?

2

B) Briefly explain program documentation.

3

C) Explain the factors governing Performance Testing.

5