



B.C.A. (Semester – V) Examination, April 2018
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 comparing the performance of product transactions with that of competitors.
- b) _____ is defect detection and defect correction oriented and works on the product rather than on process.
- 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 a modification of a software product performed after delivery to correct discovered problems.
- e) _____ integration is also called as Big Bang Integration.

B) Answer the following in **one or two** sentences :

(1×5=5)

- a) What is Quality Assurance ?
- b) Define Progress Metrics.
- c) What is Smoke Testing ?
- d) What is System Documentation ?
- e) What is a Baseline ?

2. Answer the following :

- A) Define verification and validation.
- B) What is the importance of SVC ?
- C) Discuss code coverage testing.

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P.T.O.



3. Answer the following :

- A) What is Beta testing ? 2
- B) "Testing happens throughout and continues even beyond a release".
Justify the statement. 3
- C) Explain the Testing Team Structure model that is well suited for small organizations. 5

4. Answer the following :

- A) Distinguish between Object Oriented Systems and Procedural Systems. 2
- B) Why do we need metrics in testing ? 3
- C) Explain integration testing of Object Oriented Systems. 5

5. A) What is Adaptive Maintenance ? 2

B) Explain briefly user documentation. 3

C) Explain the methodologies used in performance testing. 5