MD – 01

B.C.A. (Semester – V) (Revised) Examination, October 2014
SOFTWARE TESTING

Duration : 2 Hours   Max. Marks : 50

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

1. A) Define the following :   (5×1=5)

   i)   Defect seeding

   ii) A test suite

   iii) Adaptive maintenance

   iv) White box testing

   v)   Regression testing.

   B) Answer the following in **one** or **two** sentences :   (5×1=5)

   i)   State any 2 myths about software testing.

   ii) Differentiate between quality assurance and quality control.

   iii) State the quality factors considered in usability testing.

   iv) State the use of stubs in integration testing.

   v)   What is localization testing ?

2. Answer the following :   **10**

   A) What are the fundamental principles of software testing ?   **2**

   B) State reasons why classes have to be tested individually.   **3**

P.T.O.

C) Explain equivalence partitioning technique. 5

OR

D) Discuss Fagan Inspection of white box testing. 5

3. Answer the following : 10

   A) What is big bang integration ? 2

   B) Differentiate between functional and non-functional testing. 3

   C) Write a short note on performance benchmarking. 5

OR

   D) Discuss how product reliability can be achieved. 5

4. Answer the following : 10

   A) What is buddy testing ? 2

   B) Explain Accessibility testing ? 3

   C) Explain round the clock development/testing model. 5

OR

   D) Discuss Deployment testing in detail. 5

5. Answer the following : 10

   A) What are the steps involved in a metrics program ? 2

   B) What are the qualities of good documentation ? 3

   C) What are the common risks encountered in testing projects ? 5

OR

   D) What is Acceptance testing ? State the Acceptance Criteria. 5

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