B.C.A. DEGREE EXAMINATION – NOVEMBER 2011
FIFTH SEMESTER

REG. NO. : _____

COURSE   : MAJOR CORE
PAPER   : SOFTWARE TESTING
TIME   : 20 MINUTES   MAX. MARKS: 20

SECTION – A   (20X1=20)

I. Choose the correct answer:

1. Assurance that the data entered into the application system will be returned unaltered is _____.
   a. Correctness   b. File integrity   c. Authorization   d. Audit trail

2. Structural testing is sometimes called as _____.
   a. White Box Testing   b. Black Box Testing   c. Unit Testing   d. Integration Testing

3. Software testing accounts to what percent of software development costs?
   a. 10-20   b. 40-50   c. 70-80   d. 5-10

4. Cyclomatic Complexity method comes under which testing method.
   a. White box   b. Black box   c. Green box   d. Yellow box

5. The purpose of requirement phase is _____.
   a. To freeze requirements   b. To understand user needs
   c. To define the scope of testing   d. All of the above

6. Which of the following is not a static testing technique
   a. Error guessing   b. Walkthrough   c. Data flow analysis   d. Inspections

7. To test a function, the programmer has to write a _____, which calls the function and passes test data.
   a. Stub   b. Driver   c. Proxy   d. None of the above

8. Function/Test matrix is a type of
   a. Interim Test report   b. Final test report   c. Project status report   d. Management report

9. Which, in general, is the least required skill of a good tester?
   a. Being diplomatic   b. Able to write software
   c. Having good attention to detail   d. Able to be relied on

10. If an expected result is not specified, then _____.
    a. We cannot run the test
    b. It may be difficult to repeat the test
    c. It may be difficult to determine if the test has passed or failed
    d. We cannot automate the user inputs

II. Fill in the blanks:

11. The capability to substantiate that the processing has occurred is called _____.

12. Requirements tracing, sometimes called _____.

13. A _____ is a formal process in which peers and/or stakeholders challenge the correctness of the work being reviewed.

14. The objective of a _____ is to evaluate the effectiveness of controls to reduce those risks.

15. Testers should write two types of reports: interim reports and _____

III. Write True or False

16. Verification and validation are not mutually exclusive.

17. Testing is not an Organizational Issue.

18. Testing should test both structure and function.

19. Testers report the status of actual results against expected results.

20. The two primary reports are Summary Status Report and Project Status Report.

****

SUBJECT CODE: CS/MC/ST54

B.C.A. DEGREE EXAMINATION – NOVEMBER 2011
FIFTH SEMESTER

COURSE   : MAJOR CORE
PAPER   : SOFTWARE TESTING
TIME   : 2 HOURS & 40 MINUTES   MAX. MARKS: 80

SECTION – B   (8X5=40)
(Answer any eight questions)

1. Explain the Life Cycle of Verification Activities.

2. How to develop a Test Strategy?

3. Explain any five Test Technique Matrix.

4. Explain any two Functional System Testing Techniques.

5. Explain the Do Procedure for Design Phase Testing.

6. List the Requirement Phase Test Factors.

7. Write short notes on Peer Review.

8. How can we record test results?

9. Explain Acceptance Testing.

10. Explain the software validation after a change.

SECTION – C   (4X10=40)
(Answer any four questions)

11. Explain World-Class Software Testing Model in detail.

12. Explain test factors in detail.

13. Explain the Eleven step software testing process.

14. Explain about building the test plan.

15. Explain about Do procedures in execute tests in detail.

16. Explain the Do procedure for evaluating Test Effectiveness.

****