Reg. No. :

Question Paper Code: 49812

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

Elective

Information Technology

14UIT912- PRINCIPLES OF SOFTWARE TESTING

(Regulation 2014)

Duration: Threehours   Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 1 = 10 Marks)

1. In software development life cycle, who is the best person to catch a defect?

   (a) Software Tester   (b) Customers   (c) Designer   (d) Business Analyst

2. When customers can say that the quality of the software product is too good?

   (a) Software meets its defined specification   (b) Software is technically excellent
   (c) Software has few bugs   (d) Software fulfills expectations of customer

3. Alpha testing will be done at,

   (a) User's site   (b) Developers' site   (c) Black Box testing   (d) None of these

4. Which testing is also called glass box testing approach.

   (a) White Box testing   (b) Black Box testing
   (c) Red   Box testing   (d) None of these

5. In which Test, a single component alone is tested.

   (a) Integration test (b) System test   (c) Regression test (d)Unit test

6. When should Regression Testing be performed?

   (a) When the project manager says   (b) After the software has changed
   (c) Whenever software testing team get the time   (d) None of the above

7. One of the below, is a document that provides a framework or approach for achieving a set of goals

   (a)Plan   (b) Testing   (c) Unit Testing   (d) None of these

8. Testing Process comprised of

   (a)Test Plan and Test Cases   (b) Coding   (c) Design (d) Requirements

9. Which of the below is Open Source Automation Tool

   (a) Selenium tool   (b) Weka tool   (c) R tool   (d) Statistica Tool

10. When should company stop the testing of particular software?

    (a)After system testing done   (b) It depends on the risks for the system being tested
    (c)After smoke testing done   (d) None of the above

PART - B (5 x 2 = 10 Marks)

11. Name the 7 Software Testing principles.

12. Tell how path testing helps in testing the Software.

13. Write a short note on Regression Testing.

14. What are all the Organizational issues in Testing?

15. Mention the criteria for selecting a test tool.

PART - C (5 x 16 = 80 Marks)

16. (a) Elaborate the principles of software testing.   (16)

Or

(b)Explain in detail about the tester's role in a software development organization.   (16)

49812

17. (a) Explain in detail about block box testing approach with example. (16)

Or

(b) Discuss about Graph based Testing. (16)

18. (a) Explain about Beta test. (16)

Or

(b) Can you mention the importance of Testing OO Systems and also discuss about Alpha & beta tests. (16)

19. (a) Summarize Test planning & Test Plan Components. (16)

Or

(b) Elaborate the role of the 3 groups in Test Planning and Policy Development. (16)

20. (a) Write a brief note on Design and Architecture for Automation. (16)

Or

(b) what are all the methods to evaluate automated testing tools. (16)

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49812

49812