

TB154605A

Reg. No:

Name:

B. VOC. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017
SEMESTER IV – CORE COURSE (SOFTWARE DEVELOPMENT)
VSD4S10TB – SOFTWARE TESTING

Time: Three Hours

Maximum Marks: 80

PART A

I Answer all questions. Each question carries 1 mark.

1. What is a bug?
2. Name different types of errors.
3. Give the formula for calculating Cyclomatic Complexity.
4. Name two automated testing tools.
5. What is loop testing?
6. Name different levels of software testing.

(6x1=6)

PART B

II Answer any seven questions. Each question carries 2 marks.

7. Differentiate between testing and debugging.
8. Mention the verification and validation activities.
9. Explain Software Quality.
10. Explain Testing GUI.
11. What are the characteristics of a software test?
12. How is stress testing different from performance testing?
13. What is data flow testing?
14. What is conditional testing?
15. Compare error, fault and failure.
16. Explain Flow Graph Notation.

(7x2=14)

PART C

III Answer any five questions. Each question carries 6 marks.

17. Explain the V model in software testing.
18. Difference between functional and system testing.
19. Explain any two case design techniques followed in white box testing technique.
20. What are the steps involved in the development of a test plan?
21. Explain integration testing.
22. Explain the regression testing strategy and its significance.
23. Explain any two of system testing.
24. Compare Alpha testing with Beta testing.

(5x6=30)

PART D

IV Answer any two questions. Each question carries 15 marks.

25. What is software testing? Explain the objectives of testing.
26. What is black box testing? Explain the different techniques for black box testing in detail.
27. Explain the different stages in testing process.
28. Discuss how testing in Object Oriented Applications are carried out.

(2x15=30)