

C 1840

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Name.....

Reg. No.....

SIXTH SEMESTER B.C.A. DEGREE EXAMINATION, MARCH/APRIL 2016

(UG—CCSS)

Elective Course

CA 6B 17 (E1)—SOFTWARE TESTING

Time : Three Hours

Maximum : 30 Weightage

Part A

Answer all questions.

1. During the development phase which of the following testing approach cannot be done :
 - (a) Unit testing.
 - (b) Bottom up testing.
 - (c) Integration testing.
 - (d) Acceptance testing.
2. Software mistakes during coding are known as :
 - (a) Failures.
 - (b) Defects.
 - (c) Bugs.
 - (d) Errors.
3. The set of test cases is called a _____.
4. Which of the following is true ?
 - (a) Testing is the same as quality assurance.
 - (b) Testing is a part of quality assurance.
 - (c) Testing is not a part of quality assurance.
 - (d) Testing is same as debugging.
5. White Box testing is also called as _____ testing.
6. _____ is the actual time that is spent on a particular activity or a phase.
7. ETVX stands for _____.
8. _____ can be defined as the delay between the point of request and the first response from the product.
9. _____ describes the degree to which the source code of a program has been tested.
10. Functionality of a software is tested by :
 - (a) White box testing.
 - (b) Black box testing.
 - (c) Regression testing.
 - (d) None of the above.

Turn over

11. Cyclomatic complexity is denoted by :

- (a) $V(G) = e - n + 2P$.
- (b) $V(G) = \Pi + 1$.
- (c) $V(G) = \text{Number of regions of the graph}$.
- (d) None of the above.

12. Integration testing techniques are :

- (a) Topdown.
- (b) Bottom up.
- (c) Sandwich.
- (d) All of the above.

(12 × ¼ = 3 weightage)

Part B

Answer all questions.

- 13. What is static testing ?
- 14. Define Verification.
- 15. What is system integration ?
- 16. Differentiate between alpha and beta testing.
- 17. What is Interoperability testing ?
- 18. What is performance benchmarking ?
- 19. What is tuning ?
- 20. What is defect density ?
- 21. What is Test Incident Report ?

(9 × 1 = 9 weightage)

Part C

Answer any five questions.

- 22. Differentiate between Quality Assurance and Quality Control.
- 23. Explain code walkthrough and code review.
- 24. Explain the Equivalence Partitioning method.
- 25. Explain the steps in defect bash.
- 26. What is the purpose of system testing ?

27. What are the guidelines for selecting test cases for Acceptance testing ?
28. Write a note on Project Metrics.

(5 × 2 = 10 weightage)

Part D

Answer any **two** questions.

29. Explain any four life cycle models.
30. What is functional testing ? What are the techniques used for functional testing ?
31. Explain the various activities in Test Planning.

(2 × 4 = 8 weightage)

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