

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086

(For Candidates admitted during the academic year 2015-16)

SUBJECT CODE: 15CS/MC/ST54

B.C.A. DEGREE EXAMINATION – NOVEMBER 2018

FIFTH SEMESTER

COURSE : MAJOR CORE
PAPER : SOFTWARE TESTING
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

Answer all the questions

(20 * 1 = 20)

Choose the best answer:

1. What is “V” Model?
a) Test Level b) SDLC Model c) Test Type d) Test Design Technique
2. What is Decision Table Testing?
a) Black Box Test Design Technique b) White Box Test Design Technique
c) Gray Box Test Design Technique d) Experience based Test Design Technique
3. Alpha testing is _____
a) Post-release testing by end user representatives at the developer’s site.
b) The first testing that is performed.
c) Pre-release testing by end user representatives at their sites.
d) Pre-release testing by end user representatives at the developer’s site.
4. _____ is not a Test Document.
a) Test Policy b) Test Case
c) PIN (Project Initiation Note) d) RTM (Requirements Traceability Matrix)
5. _____ is not a Test Level.
a) System Testing b) Acceptance Testing
c) Functional Testing d) Integration Testing
6. Which Test Document describes the Exit Criteria of Testing?
a) Test Case b) Test Plan
c) Test Summary Report d) Defect Report
7. _____ are the Testers of System Testing.
a) Developers b) Business Analysts
c) Independent Testers d) Customers
8. Which of these activities provides the biggest potential cost saving from the use of CAST?
a) Test management b) Test execution
c) Test design d) Test planning
9. What is the main difference between a walkthrough and an inspection?
a) A walkthrough is lead by the author, whilst an inspection is lead by a trained moderator.
b) An inspection has a trained leader, whilst a walkthrough has no leader.
c) Authors are not present during inspections, whilst they are during walkthroughs.
d) An inspection is lead by the author, whilst a walkthrough is lead by a trained moderator.
10. A program with high cyclometric complexity is almost likely to be _____
a) Difficult to test b) Small
c) Difficult to write d) Large

Fill in the blanks:

11. The _____ is that the tester can routinely identify the correct outcome of a test.
12. Reviews should be performed on _____, code, and test plans.
13. _____ tests the interactions between modules or subsystems.
14. _____ measurement is a partial measure of test thoroughness.
15. Static analysis is the analysis of _____ .
16. A _____ is a software application which helps automate the testing process.
17. During _____ testing, the code is not executed and it is performed using the software documentation.
18. _____ is the detailed recording and updating of information for hardware and software components.
19. _____ testing involves running a product through a series of specific tests which determines whether the product will meet the needs of its users.
20. _____ is the error condition hiding another error condition.

SECTION B**Answer ALL the questions:****(5 * 2 = 10)**

21. Define software testing.
22. Define walkthrough.
23. What is agile testing?
24. What is static testing?
25. Define test tools.

SECTION C**Answer any EIGHT of the following:****(8 * 5 = 40)**

26. Discuss the relationship of testing and SDLC.
27. Explain the two dimensional testing strategy chess board.
28. Compare and contrast White box testing and Black box testing.
29. Explain Content Management testing.
30. What are the techniques and components in performance testing?
31. What are test cases? Explain a test strategy.
32. Explain Test Management Documentation in detail.
33. What are Experience-based techniques?
34. Explain good and bad testing environments.
35. Discuss testing tier applications briefly.

SECTION D**Answer any three of the following:****(3 * 10 = 30)**

36. Explain the various stages of SDLC in detail.
37. Explain a) Unit testing b) System testing.
38. What is Non-functional testing? Explain in detail.
39. Discuss the phases in a test process.
40. Explain automated testing tools.
