

16U669

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Name:

Reg. No.

SIXTH SEMESTER B.C.A. DEGREE EXAMINATION, APRIL 2019

(Regular/Supplementary/Improvement)

(CUCBCSS-UG)

CC15U BCA6 E03 - SOFTWARE TESTING AND QUALITY ASSURANCE

Computer Application–Elective

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

PART A

Answer *all* questions. Each question carries 1 mark.

1. Requirements get documented in the form of
2. is the delay between the request and response.
3. Test plan which covers the activities common for all plans is called
4. A flow graph consists of
5. Black box testing is also known as.....
6. is the set of metrics that tracks how the different activities of the project are progressing.
7. The testing which is done to make sure that the existing features are not affected by new features is known as
8. Acceptance testing is done by:
a) Testers b) Customers c) Both a and b d) None of the above
9. The percentage of code covered by a test is found by adopting a technique called of code.
10. is an adhoc testing where people performing different roles in an organization test the product together at the same time.

(10 x 1 = 10 Marks)

PART B

Answer *all* questions. Each question carries 2 marks.

11. What is static testing?
12. What is equivalence partitioning?
13. How test cases are generated?
14. Define capacity planning.
15. Differentiate reliability testing and stress testing.

(5 x 2 = 10 Marks)

PART C

Answer any *five* questions. Each question carries 4 marks.

16. Write a note on boundary value analysis.
17. How to calculate cyclomatic complexity?
18. Explain how a test can be managed and executed?
19. Explain Scenario Testing.
20. Differentiate between functional and non-functional testing.
21. Explain the process for performance testing.
22. Explain the significance of quality assurance and control in software development.
23. What you mean by test planning?

(5 x 4 = 20 Marks)

PART D

Answer any *five* questions. Each question carries 8 marks.

24. What is Performance testing? What are the factors which governs performance testing?
25. Explain Structural testing in detail.
26. Briefly explain Project Metrics.
27. What is Regression Testing? Discuss the different types of Regression Testing.
28. Write a note on Life cycle models.
29. What is test reporting? What are the different types of test reports?
30. Write a note on different types of Integration Testing?
31. Briefly explain Acceptance Testing.

(5 x 8 = 40 Marks)
