

15U669

(Pages: 2)

Name:

Reg. No.....

SIXTH SEMESTER B.C.A. DEGREE EXAMINATION, MARCH 2018

(CUCBCSS-UG)

CC15U BCA6 E03 - SOFTWARE TESTING AND QUALITY ASSURANCE

Computer Application–Elective

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

Part A

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

1. The CASE tools used in _____ development model.
2. The term ETVX stands for _____.
3. Cyclomatic complexity found by using the formula _____.
4. The combination of white box and black box testing is known as _____ testing.
5. Integration testing means testing of _____.
6. The objective of _____ testing is to find out the maximum capability of the product parameters.
7. _____ testing is done to ensure the two or more products can exchange information, use information, and work properly together.
8. Which one is not the factors of governing performance testing.
(a) throughput (b) response time
(c) latency (d) test case
9. The set of input values that generate one single expected output is called a _____
10. The term LOC stands for _____

(10 x 1 = 10 Marks)

Part B

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

11. What is process model?
12. What is the functional and non-functional testing?
13. What are the differences between quality assurance and quality control?
14. What is the localization testing?
15. What are the types of the regression testing?

(5 x 2 = 10 Marks)

Part C

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

16. What are the phases of the software project?

17. Explain prototyping model and RAD.
18. Explain Fagan inspection.
19. Explain requirement traceability matrix.
20. Explain defect bash.
21. What are the challenges of performance testing?
22. What are the best practices in regression testing?
23. Explain Test reporting.

(5 x 4 = 20 Mark)

Part D

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

24. Explain V model and modified V model.
25. What is White Box testing? Explain Structural testing.
26. Explain Integration testing.
27. Explain acceptance testing.
28. What are the factors governing performance testing?
29. Describe
 - i) Test cases
 - ii) performance tuning
 - iii) performance benchmarking
 - iv) Tools for performance testing
30. Explain regression testing and types of regression testing.
31. Explain any one type of test metrics.

(5 x 8 = 40 Mark)
