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D6BCA2104

Reg.No.............................

Name: ....

SIXTH SEMESTER UG DEGREE EXAMINATION, APRIL 2024
(Regular/Improvement/Supplementary)
BCA
GBCA6E03T: SOFTWARE TESTING AND QUALITY ASSURANCE

Time: 2 Hours   Maximum Marks: 60

SECTION A: Answer the following questions. Each carries *two* marks.
(Ceiling 20 Marks)

1. What is meant by Incremental Model?
2. Define Software Development Life Cycle
3. What is specific requirements?
4. Differentiate between offsite deployment and onsite deployment.
5. What is reset procedure?
6. Write a note on Bi-Directional Integration.
7. Mention different challenges in White box testing.
8. What is acceptance criteria?
9. What do you mean by regression testing?
10. Comment on reliability testing.
11. What is smoke testing?
12. Define Defect removal rate.

SECTION B: Answer the following questions. Each carries *five* marks.
(Ceiling 30 Marks)

13. What is compatibility testing? Explain different types of compatibility testing.
14. Discuss the advantages of developing use case scenarios.
15. Briefly explain testing phases.
16. Differentiate between Software Verification and Validation.
17. Explain introduced defects and reopened defects.
18. Describe different criteria for selecting test cases for regression testing.
19. Discuss the difference in regression testing for a major release versus minor release of a product.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. Explain different ways used to analyze the performance test results.
21. Which are the best practices used for test reporting? Explain.

(1 x 10 = 10 Marks)