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C 20522

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Name.....

Reg. No.....

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2022

(CBCSS-UG)

B.C.A

BCA 6B 16 (C)—SOFTWARE TESTING AND QUALITY ASSURANCE

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A**

*Answer atleast **eight** questions.*

*Each question carries 3 marks.*

*All questions can be attended.*

*Overall ceiling 24.*

1. Explain the difference between quality assurance and quality control
2. Write the difference between verification and validation.
3. Define Integration Testing.
4. Why do you need Software Testing Metrics ?
5. Define Static Testing.
6. Define Sanity Testing.
7. Define Regression Testing.
8. Define product metrics.
9. How Prototyping model differs from the RAD Model ?
10. Define structural testing.
11. Explain Top-Down and Bottom-Up Integration.
12. Write any *four* differences between Black Box testing and White Box testing.

(8 × 3 = 24 marks)

**Section B**

*Answer atleast **five** questions.*

*Each question carries 5 marks.*

*All questions can be attended.*

*Overall ceiling 25.*

13. What is Software Testing Metric ? Explain different types of test metrics.
14. Explain the difference between functional and non-functional testing.

**Turn over**

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15. Explain different phases of a software project.
16. Explain Waterfall Model in detail.
17. Discuss the methods to achieve static testing.
18. Explain Test Process in detail.
19. Explain different Black Box Testing techniques.

(5 × 5 = 25 marks)

### Section C

*Answer any one questions.*

*Each question carries 11 marks.*

20. Explain different types of integration testing in detail.
21. Define Performance Testing. Explain the methodology for Performance Testing.

(1 × 11 = 11 marks)