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Name.....

Reg. No.....

**SIXTH SEMESTER U.G. (CBCSS-UG) DEGREE EXAMINATION  
MARCH 2023**

BCA

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

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)***Answer all questions.**Each question carries 2 marks.*

1. Define process model.
  2. Define Performance Testing.
  3. Explain Top-Down Integration.
  4. Why do you need Software Testing Metrics ?
  5. Define Structural testing.
  6. Explain different phases of a Software Project.
  7. Explain different types of Coverage used in Code Coverage Testing.
  8. Explain Project Metrics in detail.
  9. Explain Waterfall Model and list out its disadvantages.
  10. Explain ETVX model.
  11. Explain the methods to achieve Static Testing.
  12. Explain Defect Bash in detail.
- (Ceiling 20 marks)

**Section B (Short Essay Type Questions)***Answer all questions.**Each correct answer carries a maximum of 5 marks.*

13. Explain Boundary Value Analysis in detail.
14. What is Prototyping Model ? Explain need of Prototyping Model.
15. Explain Non-Functional System Testing in detail.

**Turn over**

16. Discuss the steps involved in Test Planning.
17. Explain Spiral Model and list out its advantages.
18. Define Performance Testing. Explain different tools used for Performance Testing.
19. Give a detailed comparison about Black Box Testing and White Box Testing.

(Ceiling 30)

### Section C (Essay Type Questions)

*Answer any one question.*

*The question carries 10 marks.*

20. Define Regression Testing. Explain different types of Regression Testing in detail.
21. Define Desk Checking and list out its advantages and disadvantages.

(1 × 10 = 10)