D 120067   (**Pages : 2**)   Name...

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

SIXTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION, MARCH 2025

B.C.A.

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

(2019 Admission onwards)

Time : Two Hours   Maximum : 60 Marks

Section A (Short Answer Type)

All questions can be answered.
Each question carries 2 marks.
(Ceiling 20 marks)

1. Define black box testing.

2. Describe quality control.

3. List out 4 challenges in white box testing.

4. When to do regression testing ?

5. Describe validation.

6. Describe static testing.

7. Describe alpha testing.

8. Describe test process.

9. Define non-functional testing.

10. Differentiate white box and black box testing.

11. Define release metrics.

12. Describe methodology of performance testing.

Turn over

Section B (Paragraph / Problem Type)

All questions can be answered.
Each question carries 5 marks
(Ceiling 30 marks)

13. Describe structural testing challenges in white box testing.

14. Discuss about types of regression testing.

15. Explain about system testing.

16. Explain about Quality control.

17. Explain about progress metrics.

18. Explain about test execution and reporting.

19. Describe when and how to do black box testing.

Section C (Essay Type)

Answer any **one** *of the following questions.*
The question carries 10 *marks .*

20. Explain about performance testing.

21. Explain about phases in lifecycle model.

$(1 \times 10 = 10 \text{ marks})$