Reg. No. ☐☐☐☐☐☐☐☐☐

V Semester B.C.A.4. Degree Examination, March/April - 2023
SOFTWARE PROGRAMMING AND TESTING
(Repeaters)

Time : 3 Hours   **Maximum Marks : 80**

Instructions to Candidates :   1.   *Answer all the sections.*
                                                  2.   *Draw diagram wherever necessary.*

Section - A

Answer all **10** questions.   (10×2=20)

1.   a.   Define : Quality, Quality control.

     b.   List of all the phases of software testing.

     c.   What do you mean by regression testing.

     d.   Differentiate testing and development functions.

     e.   What is defect Bash?

     f.   Differentiate debugging and testing.

     g.   What is cyclomatic complexity?

     h.   Expand the terms TCDB, DR, SCM.

     i.   What is Test automation?

     j.   What is Test plan?

Section - B

Answer any **Four** questions.   (4×5=20)

2.   Compare white box and black box testing.

3.   Explain the organization structures in single product and multi-product companies.

4.   Explain risk management.

5.   What are the responsibilities of test lead?

6.   Explain performance testing process.

[P.T.O.

Section - C

Answer any **Four** questions.   **(4×10=40)**

7.   What is integration testing? Explain the types.

8.   a.   Explain the software testing principles.

     b.   Compare functional and non functional testing.

9.   Explain perceptions and misconceptions about testing.

10. a.   What are the different levels of object oriented testing.

     b.   What are the categories of accessibility testing? Explain.

11. a.   Explain test infrastructure management.

     b.   Explain spiral model with neat diagram.

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