BACHELOR OF COMPUTER APPLICATION-CS Examination
BCA SEMESTER-2 APRIL 2025 (Regular) APRIL - 2025
CS-10: SAD, SOFTWARE QUALITY ASSURANCE & TESTING
Faculty Code : 017
Subject Code : 24CS-BCAP-MI-02-02001

Seat No _____

[____ Hours]

[Total Marks : 50

Q.1 (A) Answer the following:

    1. QC Stands for _____

    2. A data dictionary can be helpful in improving consistency of software. [True / False]

    3. What is information system?

3

Q.1 (B) Explain responsibilities of system analyst.

Q.1 (C) Write a detail note on SDLC.

2

5

OR

Q.1 (A) Answer the following:

    1. QA stands for _____

    2. MIS stands for _____.

    3. What is sub-system?

3

Q.1 (B) Difference: Decision Tree vs. Decision Table

Q.1 (C) Write a detail note on various fact finding techniques.

2

5

Q.2 (A) Answer the following:

3

    1. Which testing strategy focuses on individual units of software?

    2. What is Bug?

    3. State transition testing is performed in black box testing. [True / False]

Q.2 (B) Difference: Static Testing vs. Dynamic Testing

Q.2 (C) Explain white box software testing technique.

2

5

OR

Q.2 (A) Answer the following:

3

    1. Integration testing is also known as _____.

    2. Load testing is not part of non-functional testing. [True / False]

    3. What is grey box testing?

Q.2 (B) Difference: Fault vs. Failure in terms of software.

Q.2 (C) Write note on various Testing Artifacts.

2

5

Q.3 (A)   Answer the following: 3

    1. Shareware does not cost anything. [True / False]
    2. ZAP stands for _____.
    3. What is Big Bang Model?

Q.3 (B)   List out various stages of Waterfall Model.   2
Q.3 (C)   Write note on Iterative Model.   5

                                    OR

Q.3 (A)   Answer the following: 3

    1. Selenium framework primarily used for testing web applications. [True / False]
    2. What is prototype in prototyping model?
    3. Which SDLC model also includes risk management ?

Q.3 (B)   Difference : Freeware vs. Shareware.   2
Q.3 (C)   Write note on V-Model.   5

Q.4 (A)   Answer the following: 3

    1. LOC stands for _____ in terms of project estimation technique.
    2. What is Optimistic Time?
    3. CPM stands for _____.

Q.4 (B)   Explain Task Network Scheduling Method.   2
Q.4 (C)   Write a detail note on COCOMO model.   5

                                    OR

Q.4 (A)   Answer the following: 3

    1. GANTT chart is also known as _____.
    2. What is critical path in task networking?
    3. WBS stands for _____.

Q.4 (B)   Explain FP project estimation technique.   2
Q.4 (C)   Write detail note on PERT chart.   5

Q.5 (A)   Answer the following: 3

    1. List out features of UML.
    2. Activity diagram is primarily used to define relationship of entities. [True / False]
    3. CAD stands for _____.

Q.5 (B)   Explain Use case diagram.   2
Q.5 (C)   Write detail note MS - Visio.   5

                                    OR

Q.5 (A)   Answer the following: 3

    1. UML stands for _____.
    2. What is stencil in MS - Visio?
    3. What is activity diagram in UML?

Q.5 (B)   Explain class diagram.   2
Q.5 (C)   Write detail note MS - Project.   5