24CS-BCAP-MI-02-02001

Seat No. _____

BACHELOR OF COMPUTER APPLICATION-CS Examination

BCA - CS SEMESTER-2 APRIL 2026 (NEP) APRIL - 2026

CS-10: SAD, SOFTWARE QUALITY ASSURANCE & TESTING

Faculty Code : 11

Subject Code : 24CS-BCAP-MI-02-02001

Time : 2 Hours] **[Total Marks : 50**

Q.1 (A) Attempt the following. 3

(1) DFD Stands for

(2) What is Information System?

(3) SDLC Stands for

Q.1 (B) Attempt any one of the following. 2

(1) Define Decision Tree.

(2) Define term Software Engineering.

Q.1 (C) Atempt any one of the following. 5

(1) Explain SDLC in detail.

(2) Explain Fact Finding Techniques in detail.

Q.2 (A) Attempt the following. 3

(1) What is Software Testing?

(2) Define Bug in software testing.

(3) Define Technical Review.

Q.2 (B) Attempt any one of the following. 2

(1) Define Test Script.

(2) Define Load Testing.

Q.2 (C) Attempt any one of the following. 5

(1) Explain Techniques of Software Testing.

(2) What is Software Testing Plan? Explain Levels of Software Testing.

Q.3 (A) Attempt the following. 3

(1) _____ developed Spiral Model in Software Engineering.

(2) Define Iterative Model.

(3) Define Automated Testing.

Q.3 (B) Attempt any one of the following. 2

(1) What is Big Bang Model?

(2) Define V Model.

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Q.3 (C)	Attempt any one of the following. (1) Explain Prototyping Software Development Model. (2) Explain Selenium Testing Tools in detail.	5
Q.4 (A)	Attempt the following. (1) COCOMO stands for. (2) Define Project Scheduling. (3) Define Timeline Chart.	3
Q.4 (B)	Attempt any one of the following. (1) What is Project Cost Estimation? (2) Define Activity Task Network Diagram.	2
Q.4 (C)	Attempt any one of the following. (1) Explain Project Management in detail. (2) Explain Automated Estimation Tools.	5
Q.5 (A)	Attempt the following. (1) UML stands for. (2) CAD stands for. (3) Define Aggregation in Class Diagram.	3
Q.5 (B)	Attempt any one of the following. (1) Write a short note on Use Case Diagram. (1) Write a short note on Class Diagram.	2
Q.5 (C)	Attempt any one of the following. (1) Explain MS-VISIO for Designing and Documentation tool in detail. (2) What is Activity Diagram? Draw activity diagram for College Admission Management System.	5

::: END OF EXAM :::

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