



Seat No. _____

BACHELOR OF COMPUTER APPLICATION Examination

BCA Semester - 2 APRIL 2025 (Regular) APRIL - 2025

CS-10: SAD, SOFTWARE QUALITY ASSURANCE & TESTING

Faculty Code : 003

Subject Code : 23SF-BCAP-MI-02-02001

Time : 2 Hours]

[Total Marks : 50

Q.1 (A) Answer the following:

3

1. QC Stands for _____.
2. A data dictionary can be helpful in improving consistency of software. [True / False]
3. What is information system?

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

2

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

5

OR

Q.1 (A) Answer the following:

3

1. QA stands for _____.
2. MIS stands for _____.
3. What is sub-system?

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

2

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

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

2

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

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.

2

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

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