



Seat No. \_\_\_\_\_

BACHELOR OF SCIENCE (INFO. & TECH.)-CS Examination  
BSCIT SEMESTER-2 APRIL 2025 ( Regular ) APRIL - 2025  
CS-10: SAD, SOFTWARE QUALITY ASSURANCE & TESTING

Faculty Code : 017

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

Time : 2 Hours]

[Total Marks : 50

- Q.1 (A) (1) Full form of SDLC.  
(2) Which process does QA provide and umbrella for?  
(3) What is the first step in the SDLC?
- Q.1 (B) List out transition characteristics of the software.
- Q.1 (C) Explain SDLC in Detail.
- OR
- Q.2 (A) (1) List different types of DFD.  
(2) The most important attribute of a system analyst is \_\_\_\_\_.  
(3) Full form of MIS.
- Q.2 (B) What is Data Dictionary?
- Q.2 (C) Explain the role of System Analyst.
- Q.2 (A) (1) Full form of STLC.  
(2) Full form of RTM.  
(3) Software tested by user is \_\_\_\_\_.
- Q.2 (B) What is Software Bug?
- Q.2 (C) Give difference between Static Testing and Dynamic Testing.
- OR
- Q.2 (A) (1) The code syntax testing is done using \_\_\_\_\_.  
(2) Software testing process is performed by \_\_\_\_\_.  
(3) Full form of UAT.
- Q.2 (B) What is Software Verification and Validation?
- Q.2 (C) Explain Levels of Software Testing. Bla—
- Q.3 (A) (1) Full form of LCO. Line of  
(2) The simplest SDLC model is Waterfall model. (True / False)  
(3) When you create a test in QTP, it includes \_\_\_\_\_ action.
- Q.3 (B) List different phases of Waterfall Model.
- Q.3 (C) Write note on Spiral Model.

OR

Q.3 (A) (1) Full form of LCA. 3  
 (2) Full Form of OLP.  
 (3) You can view the LoadRunner script in Test View. (True / False)

Q.3 (B) Define V- Model. 2

Q.3 (C) Write Note: Waterfall Model. 5

Q.4 (A) (1) List out levels of COCOMO Model. 3  
 (2) COCOMO was developed by \_\_\_\_\_.  
 (3) The simplest form of timetable for program planners is the \_\_\_\_\_.

Q.4 (B) What is Decomposition? 2

Q.4 (C) What is Project Management? Explain Project Characteristics. 5  
 OR

Q.4 (A) (1) Full form of COCOMO. 3  
 (2) Marketing is not the stage of Project Management. (True / False)  
 (3) The critical path of a network is the \_\_\_\_\_.

Q.4 (B) What is TimeLine Chart? 2

Q.4 (C) Write note on PERT chart with example. 5

Q.5 (A) (1) Full form of CAD. 3  
 (2) UML was created by \_\_\_\_\_.  
 (3) Full form of UML.

Q.5 (B) What is MS-VISIO? 2

Q.5 (C) Explain Use Case Diagram. 5  
 OR

Q.5 (A) (1) Full form of CADD. 3  
 (2) In MS Project, task information is entered in PERT chart view. (True / False)  
 (3) Full form of OMG.

Q.5 (B) What is UML? 2

Q.5 (C) Explain Activity Diagram. 5