

B.Sc.(IT) Semester - 3 (CBCS) Examination**Oct/Nov - 2023 (OLD COURSE)****CS-13 SAD SOFTWARE QUALITY ASSURANCE AND TESTING (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
-

- Q-1 **A) Answer followings: (Only Four)** (04)
- 1) What is Subsystem?
 - 2) What is System?
 - 3) QA Stands for
 - 4) QC Stands For
- B) Answer the following: (Any One Out Of Two)** (02)
- 1) Explain System Analyst Role.
 - 2) Explain DFD .
- C) Answer the following: (Any One Out Of Two)** (03)
- 1) Difference between QA/QC.
 - 2) Short Note on Decision Table.
- D) Answer the following: (Any One Out Of Two)** (05)
- 1) Explain SDLC in details.
 - 2) Explain Fact Finding Techniques in details.
- Q-2 **A) Answer followings: (Only Four)** (04)
- 1) What is Bug?
 - 2) What is Error?
 - 3) What is Fault?
 - 4) What is Defect?
- B) Answer the following: (Any One Out Of Two)** (02)
- 1) Explain Gray Box- Testing.
 - 2) Explain Test Case & Test Plan.
- C) Answer the following: (Any One Out Of Two)** (03)
- 1) Explain DynamicTesting.
 - 2) Explain Static Testing
- D) Answer the following: (Any One Out Of Two)** (05)
- 1) Explain Black Box-White Box Testing
 - 2) Explain Non-Functional Testing in Details.
- Q-3 **A) Answer followings: (Only Four)** (04)
- 1) SDLC Stands for
 - 2) QTP Stands for
 - 3) What is Spiral model?
 - 4) What is Big Bang model?
- B) Answer the following: (Any One Out Of Two)** (02)
- 1) Explain Winrunner tester tool.
 - 2) Short Note on License Tool.
- C) Answer the following: (Any One Out Of Two)** (03)
- 1) Short Note on Freeware & Shareware.
 - 2) Explain Water Fall Model.

- D) Answer the following: (Any One Out Of Two)** (05)
- 1) Explain V- Model.
 - 2) Explain SDLC in Detail.
- Q-4 A) Answer followings: (Only Four)** (04)
- 1) What is Decomposition Technique?
 - 2) COCOMO Stands For_____
 - 3) Define : Task Network.
 - 4) Full Form of PERT.
- B) Answer the following: (Any One Out Of Two)** (02)
- 1) Explain Algorithm Methods.
 - 2) Explain Gantt Chart.
- C) Answer the following: (Any One Out Of Two)** (03)
- 1) Explain TimeLine Chart with suitable example.
 - 2) Explain Project Scheduling and Tracking.
- D) Answer the following: (Any One Out Of Two)** (05)
- 1) Explain Automated Estimation Tool.
 - 2) Write a note on Graphical Reporting Tools.
- Q-5 A) Answer followings: (Only Four)** (04)
- 1) Full Form of UML.
 - 2) _____extension of Diagram in VISIO.
 - 3) CAD Stands For_____
 - 4) What is MS-Visio?
- B) Answer the following: (Any One Out Of Two)** (02)
- 1) Explain MS Project in Detail.
 - 2) Draw Use Case Diagram For Online Shopping.
- C) Answer the following: (Any One Out Of Two)** (03)
- 1) Explain Class Diagram.
 - 2) Write advantages of UML Diagrams.
- D) Answer the following: (Any One Out Of Two)** (05)
- 1) Explain Activity Diagram in Details.
 - 2) Explain & List out the step for MS VISIO.
