

B.Sc.(IT) Semester - 3 (CBCS) Examination**Oct/Nov - 2022 (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.

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- Q.1(A) Attempt the followings. (04)
1. Write full form of SDLC.
 2. What is Sub-System?
 3. Full form of SQA is _____
 4. Write full form of MIS.
- Q.1(B) Attempt the following. (Any One) (02)
1. Discuss role of System Analyst.
 2. Write a note on Decision Table.
- Q.1(C) Attempt the following. (Any One) (03)
1. What is Software Engineering? Explain.
 2. Write a note on DFD.
- Q.1(D) Attempt the following. (Any One) (05)
1. Explain SDLC in detail.
 2. Explain Fact Finding Techniques in detail.
- Q.2(A) Attempt the followings. (04)
1. What is Software Testing?
 2. Write full form of STLC.
 3. _____ testing is also known as Glass Box Testing.
 4. What is Failure?
- Q.2(B) Attempt the following. (Any One) (02)
1. Differentiate Static Testing v/s Dynamic Testing.
 2. Explain Bug and Error.
- Q.2(C) Attempt the following. (Any One) (03)
1. Discuss Test Class.
 2. Write a note on Grey Box Testing.
- Q.2(D) Attempt the following. (Any One) (05)
1. List various Test Level and explain any two.
 2. Explain Black Box Testing.
- Q.3(A) Attempt the followings. (04)
1. Write full form of QTP.
 2. The Spiral Model was proposed by _____
 3. Write down main disadvantage of Water Fall Model.
 4. Define: License tool.
- Q.3(B) Attempt the following. (Any One) (02)
1. Differentiate Freeware v/s Shareware.
 2. Discuss Big Bang model.
- Q.3(C) Attempt the following. (Any One) (03)
1. Explain Load Runner.
 2. Explain Iterative Model.

- Q.3(D) Attempt the following. (Any One) (05)
1. Explain Water Fall Model.
 2. Write a note on V-model.
- Q.4(A) Attempt the followings. (04)
1. Write full form of PERT.
 2. Write full form of CPM.
 3. What is Project Management?
 4. Write full form of WBS.
- Q.4(B) Attempt the following. (Any One) (02)
1. What is Project Tracking?
 2. Define: Project Scheduling.
- Q.4(C) Attempt the following. (Any One) (03)
1. Write a note on Effort Estimation Techniques.
 2. Discuss Graphical Reporting Tools.
- Q.4(D) Attempt the following. (Any One) (05)
1. Explain PERT chart in detail.
 2. Write a note on Timeline Chart.
- Q.5(A) Attempt the followings. (04)
1. Write full form of CAD.
 2. Write full form of UML.
 3. What is an extension of Visio Drawing File?
 4. In activity diagram which symbol is used to represent activities?
- Q.5(B) Attempt the following. (Any One) (02)
1. What is UML?
 2. Define: Class Diagram.
- Q.5(C) Attempt the following. (Any One) (03)
1. Explain Use Case Diagram.
 2. Discuss Activity Diagram.
- Q.5(D) Attempt the following. (Any One) (05)
1. Explain MS-VISIO.
 2. Write a note on MS-Project.
