

B.C.A Semester - 4 (CBCS) Examination**March/April-2026 [NEW COURSE]****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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- Que. 1 (A) Answer the following questions (03)
- 1) Full form of SQA.
 - 2) Full form SDLC.
 - 3) Full form of DFD.
- Que. 1 (B) Answer the following questions. (Any Two) (06)
- 1) What is Decision Tree?
 - 2) Explain DFD and Data Dictionary.
 - 3) Explain Decision Tables.
 - 4) Explain Role of System Analyst.
- Que. 1 (C) Answer the following questions. (Any One) (05)
- 1) Explain Quality Control (QC).
 - 2) Explain SDLC in Detail.
- Que. 2 (A) Answer the following questions. (03)
- 1) Give Definition: Test Case.
 - 2) Give Definition: Test Plan.
 - 3) Give Definition: Test Script.
- Que. 2 (B) Answer the following questions: (Any Two) (06)
- 1) Explain Black Box testing.
 - 2) Explain System Testing.
 - 3) Explain Level of Testing.
 - 4) Explain Inspection.
- Que. 2 (C) Answer the following questions: (Any One) (05)
- 1) What is Non-functional Testing? Explain with its Type.
 - 2) Difference between dynamic testing and static testing.
- Que. 3 (A) Answer the following questions (03)
- 1) Definition: Win Runner.
 - 2) Definition: Shareware.
 - 3) Definition: Licenced tools.
- Que. 3 (B) Answer the following questions: (Any Two) (06)
- 1) What is Rational Suite?
 - 2) What is V-Model?
 - 3) What is Interactive Model?
 - 4) What is Spiral Model?

- Que. 3 (C) Answer the following questions: (Any One) (05)
- 1) Write note: Waterfall Model.
 - 2) Write short note on: Load Runner.
- Que. 4 (A) Answer the following questions. (03)
- 1) What is Project Costing?
 - 2) Full form of PERT.
 - 3) What is Gantt Chart?
- Que. 4 (B) Answer the following questions: (Any Two) (06)
- 1) What is project management?
 - 2) List Effort Estimation Techniques. Explain Anyone.
 - 3) Explain Monitoring & Control Progress.
 - 4) Explain Automated Estimation Tools.
- Que. 4 (C) Answer the following questions. (Any One) (05)
- 1) Write Short note on Graphical reporting Tools.
 - 2) Explain Task Network and Scheduling Methods
- Que. 5 (A) Answer the following questions. (03)
- 1) Full form: CAD.
 - 2) Full form: UML.
 - 3) Definition: MS-Project.
- Que. 5 (B) Answer the following questions: (Any Two) (06)
- 1) Explain use case diagram.
 - 2) Explain Activity Diagram with design.
 - 3) Explain Class Diagram.
 - 4) Explain UML Skill based Tools.
- Que. 5 (C) Answer the following questions: (Any One) (05)
- 1) Write Short note: MS-Visio.
 - 2) Write Short note : MS-Project
