

P.G.D.C.A Semester - 2 (CBCS) Examination
March/April – 2026 (As Per Syllabus Year-2023)
SAD, Software Quality Assurance & 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) Attempt following questions. (04)
1. Every subsystem is part of a larger system. (True / False)
 2. Interview is a method of collecting information from users. (True / False)
 3. DFD includes processes, data stores, and data flows. (True / False)
 4. SDLC stands for _____.
- Que.1(B) Attempt following. (Attempt Any Two) (10)
1. Explain various fact-finding techniques used in system analysis.
 2. Explain Decision Tables with structure and uses.
 3. What is a DFD? Explain different types of DFD in detail.
 4. Who is a System Analyst? Explain their role in system development.
- Que.2(A) Attempt following questions. (04)
1. What is Testing?
 2. What is Error?
 3. What is Failure?
 4. What is Defect?
- Que.2(B) Attempt following. (Attempt Any Two) (10)
1. What is Software Testing? Explain its objectives and importance.
 2. What are testing artifacts? Explain their importance.
 3. Differentiate between static testing and dynamic testing.
 4. Explain different types of non-functional testing in detail.
- Que.3(A) Attempt following questions. (04)
1. QTP stands for _____.
 2. _____ known as Verification and Validation model.
 3. What is Freeware Software?
 4. What is Shareware Software?
- Que.3(B) Attempt following. (Attempt Any Two) (10)
1. Explain the Waterfall Model with diagram.
 2. Explain the V-Model with diagram.
 3. Explain the Spiral Model with diagram.
 4. What is Automated Testing? Explain its importance.
- Que.4(A) Attempt following questions. (04)
1. Full form of COCOMO is _____.
 2. _____ is used to estimate project effort, cost and schedule based on historical data.
 3. What is Project Management?
 4. Full form of PERT is _____.

Que.4(B) Attempt following. (Attempt Any Two) (10)

1. What is Project Management? Explain its key concepts.
2. Explain Automated Estimation tools.
3. Explain time line chart with example.
4. Explain Decomposition Techniques in brief.

Que.5(A) Attempt following questions. (04)

1. QA stands for _____.
2. QC stands for _____.
3. CAD stands for _____.
4. UML stands for _____.

Que.5(B) Attempt following. (Attempt Any Two) (10)

1. Explain Use Case Diagram in brief.
2. Explain Activity Diagram in detail.
3. Explain Class Diagram with example.
4. Explain difference between QA V/S QC.
