

P.G.D.C.A Semester - 2 (CBCS) Examination
March/April – 2025 (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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| Q-1 (A) | Answer the following questions | (04) |
| | <ol style="list-style-type: none">1) What is Information System?2) What is System?3) SDLC stands for _____.4) DFD stands for _____. | |
| Q-1 (B) | Answer the following questions (Attempt Any Two) | (10) |
| | <ol style="list-style-type: none">1) Explain Decision Tree in detail.2) Explain Software Engineering in brief.3) Explain Role of System Analyst in Software Development.4) Explain types of DFD in detail. | |
| Q-2 (A) | Answer the following questions | (04) |
| | <ol style="list-style-type: none">1) What is Error?2) What is Bug?3) What is Faults?4) What is Defect? | |
| Q-2 (B) | Answer the following questions (Attempt Any Two) | (10) |
| | <ol style="list-style-type: none">1) Write note on Black Box Testing.2) Explain Test Plan and Test Suite in brief.3) List out non-functional testing techniques. Explain any two of them.4) Explain Grey Box Testing. | |
| Q-3 (A) | Answer the following questions | (04) |
| | <ol style="list-style-type: none">1) What is Freeware Software?2) What is Shareware Software?3) QTP stands for _____.4) _____ known as Verification and Validation mode | |
| Q-3 (B) | Answer the following questions (Attempt Any Two) | (10) |
| | <ol style="list-style-type: none">1) Explain Spiral Model in detail.2) Explain Waterfall Model in detail.3) Explain V Model in detail.4) Explain QTP and Relational Suite. | |
| Q-4 (A) | Answer the following questions | (04) |
| | <ol style="list-style-type: none">1) What is Project Management?2) Full form of PERT is _____.3) Full form of COCOMO is _____.4) _____ is used to estimate project effort, cost and schedule based on historical data. | |
| Q-4 (B) | Answer the following questions (Attempt Any Two) | (10) |
| | <ol style="list-style-type: none">1) Explain Automated Estimation tools.2) Explain Empirical Project Estimation Techniques.3) Explain time line chart with example.4) Explain Decomposition Techniques in brief. | |
| Q-5(A) | Answer the following questions | (04) |
| | <ol style="list-style-type: none">1) CAD stands for _____.2) QA stands for _____.3) QC stands for _____.4) UML stands for _____. | |
| Q-5(B) | Answer the following questions (Attempt Any Two) | (10) |
| | <ol style="list-style-type: none">1) Explain difference between QA V/S QC.2) Explain Use Case Diagram in brief.3) Explain Quality Assurance activities in detail.4) Explain Class Diagram with example. | |
