

P.G.D.C.A Semester - 2 (CBCS) Examination
April/May-2023 [As Per Syllabus Year-2018]
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. (03)
- 1) DFD stands for _____.
 - 2) SDLC stands for _____.
 - 3) What is Subsystem?
- Que.1(B) Attempt following. (Attempt Any Two) (06)
- 1) Explain Role of System Analyst.
 - 2) Explain Software engineering in brief.
 - 3) Write note on Decision Tree
- Que.1(C) Attempt following. (Attempt Any One) (05)
- 1) Write note on DFD.
 - 2) Explain fact finding techniques in detail.
- Que.2(A) Attempt following questions. (03)
- 1) Load Testing is non-functional testing. (True/False)
 - 2) What is Bug?
 - 3) What is Test Script?
- Que.2(B) Attempt following. (Attempt Any Two) (06)
- 1) Define: Error, fault and failure in brief.
 - 2) Explain Static Testing in detail.
 - 3) Write note on Whitebox testing.
- Que.2(C) Attempt following. (Attempt Any One) (05)
- 1) Explain Non-functional Testing in detail.
 - 2) Explain Black box testing in detail.
- Que.3(A) Attempt following questions. (03)
- 1) Waterfall model also known as _____.
 - 2) QTP stands for _____.
 - 3) _____ known as Verification and Validation model.
- Que.3(B) Attempt following. (Attempt Any Two) (06)
- 1) Explain Prototyping model in detail.
 - 2) Define freeware, shareware software.
 - 3) Explain Load runner in detail.

- Que.3(C) Attempt following. (Attempt Any One) (05)
- 1) Explain Waterfall Model in detail.
 - 2) Explain V-Model in detail.
- Que.4(A) Attempt following questions. (03)
- 1) CPI stands for _____.
 - 2) PERT stands for _____.
 - 3) COCOMO stands for _____.
- Que.4(B) Attempt following. (Attempt Any Two) (06)
- 1) Explain effort estimation techniques.
 - 2) Explain task network and scheduling methods.
 - 3) Write note on Algorithmic Methods.
- Que.4(C) Attempt following. (Attempt Any One) (05)
- 1) Explain time line chart in detail.
 - 2) Explain PERT chart in detail.
- Que.5(A) Attempt following questions. (03)
- 1) QA stands for _____.
 - 2) QC stands for _____.
 - 3) UML stands for _____.
- Que.5(B) Attempt following. (Attempt Any Two) (06)
- 1) Explain goal of UML in brief.
 - 2) Explain Use Case Diagram in brief.
 - 3) Difference between QA and QC.
- Que.5(C) Attempt following. (Attempt Any One) (05)
- 1) Explain Class Diagram in detail.
 - 2) Explain Activity Diagram in detail.
