

P.G.D.C.A Semester - 2 (CBCS) Examination**May/June-2022 [NEW COURSE]****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.

Q:1 [A] Attempt following questions. [3]

1. What is Subsystem?
2. SDLC stands for _____.
3. DFD stands for _____.

Q:1 [B] Attempt following. (Attempt Any Two) [6]

1. Explain Role of System Analyst.
2. Explain Software engineering in brief.
3. Explain Advantages and Disadvantages of Decision Tree.

Q:1 [C] Attempt following. (Attempt Any One) [5]

1. Write note on DFD.
2. Explain fact finding techniques in detail.

Q:2 [A] Attempt following questions. [3]

1. What is Bug?
2. What is Test Script?
3. Load Testing is non-functional testing. (True/False)

Q:2 [B] Attempt following. (Attempt Any Two) [6]

1. Define: Error, fault and failure in brief.
2. Write note on Graybox testing.
3. Explain Static Testing in detail.

Q:2 [C] Attempt following. (Attempt Any One) [5]

1. Explain Non-functional Testing in detail.
2. Explain dynamic testing in detail.

Q:3 [A] Attempt following questions. [3]

1. _____ known as Verification and Validation model.
2. Waterfall model also known as _____.
3. QTP stands for _____.

Q:3 [B] Attempt following. (Attempt Any Two) [6]

1. Explain Load runner in detail.
2. Explain Prototyping model in detail.
3. Explain Win runner in detail.

- Q:3 [C] Attempt following. (Attempt Any One) [5]
1. Explain V- Model in detail.
 2. Explain Spiral Model in detail.
- Q:4 [A] Attempt following questions. [3]
1. What is Project Management?
 2. COCOMO stands for _____.
 3. What is Decomposition?
- Q:4 [B] Attempt following. (Attempt Any Two) [6]
1. Explain effort estimation techniques.
 2. Explain task network and scheduling methods.
 3. Write note on Algorithmic Methods.
- Q:4 [C] Attempt following. (Attempt Any One) [5]
1. Explain PERT chart in detail.
 2. Explain time line chart in detail.
- Q:5 [A] Attempt following questions. [3]
1. UML stands for _____.
 2. CAD stands for _____.
 3. Visio is Product of _____.
- Q:5 [B] Attempt following. (Attempt Any Two) [6]
1. Explain Use Case Diagram in brief.
 2. Explain difference between QA V/S QC.
 3. Explain Quality Assurance activities in detail.
- Q:5 [C] Attempt following. (Attempt Any One) [5]
1. Explain Use Case Diagram in detail.
 2. Explain Activity Diagram in detail.
