

P.G.D.C.A Semester - 2 (CBCS) Examination
April/May-2023 [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.

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- Q.1 (A) Attempt the following [3]**
1. What is Business System?
 2. Give full form : DFD
 3. Give full form : SDLC
- (B) Attempt the following (any Two) [6]**
1. What is subsystem? Explain giving example
 2. Write a short note on : Decision Tree
 3. Explain with example : DFD
- (C) Attempt the following (any one) [5]**
1. Explain the role of System Analyst as System Designer and Programmer
 2. List and explain various fact – finding techniques.
- Q.2 (A) Attempt the following [3]**
1. Define error
 2. What is Test Plan?
 3. Integration Test makes the testing of individual units: True/False
- (B) Attempt the following (any Two) [6]**
1. Write a short note on : Grey Box Testing
 2. Explain : Stress Testing
 3. Explain : State Transition Testing
- (C) Attempt the following (any one) [5]**
1. List various Black Box Testing methods. Explain any one with example
 2. List various White Box Testing methods. Explain any one with example
- Q.3 (A) Attempt the following [3]**
1. What is shareware?
 2. Give full form : QTP
 3. Prototyping is an iterative process : True / False
- (B) Attempt the following (any Two) [6]**
1. Write in brief : Win Runner
 2. Explain the concept of Freeware with example
 3. Explain the utilities of Load Runner
- (C) Attempt the following (any one) [5]**
1. Explain Rational Suite in detail
 2. List various SDLC Models. Explain any one in detail.

- Q.4 (A) Attempt the following [3]**
1. Give one example of Algorithmic method
 2. Give full form : CPM
 3. Give full form : PERT
- (B) Attempt the following (any Two) [6]**
1. Explain : Project Decomposition
 2. What is Project Tracking? Explain in detail
 3. Write short note on : PERT Chart
- (C) Attempt the following (any one) [5]**
1. Explain in detail: Project Scheduling. Write its importance in Project Management
 2. List various Effort Estimation techniques. Explain any one in detail.
- Q.5 (A) Attempt the following [3]**
1. Give full form : UML
 2. What is Quality Control?
 3. Give full form : QA
- (B) Attempt the following (any Two) [6]**
1. List and explain various QA activities
 2. Differentiate between QA and QC
 3. Write a short note on : Use Case Diagram
- (C) Attempt the following (any one) [5]**
1. List various UML designing tools. Explain any one in detail.
 2. Explain the role of MS – Project in Project Management activities
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