

B.C.A Semester - 4 (CBCS) Examination**March/April-2024 [NEW COURSE]****SAD, Software Quality Assurance and 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) Answer the following questions. (03)
1. Full form of TPS.
 2. Give Definition: System
 3. Full form of DSS.
- Que-1(B) Answer the following questions. (ANY TWO) (06)
1. What is Decision Tree?
 2. Explain the Role of Programmer.
 3. What is Quality Control? Explain in brief
 4. Explain Fact Finding Techniques.
- Que-1(C) Answer the following questions. (ANY ONE) (05)
1. Explain Role of System Analyst.
 2. Explain SDLC in Detail.
- Que-2(A) Answer the following questions. (03)
1. Give Definition: Black Box Testing.
 2. Give Definition: Load Testing.
 3. What is Bug?
- Que-2(B) Answer the following questions. (ANY TWO) (06)
1. What is Software Testing?
 2. What is Unit Testing?
 3. Difference between Dynamic Testing and Static Testing.
 4. What is software Error? Explain with its Type?
- Que-2(C) Answer the following questions. (ANY ONE) (05)
1. Explain Level of Testing.
 2. Difference between Functional Testing and Non – Functional Testing.
- Que-3(A) Answer the following questions. (03)
1. Definition: Freeware
 2. Definition: Shareware
 3. Full form QTP.
- Que-3(B) Answer the following questions. (ANY TWO). (06)
1. What is Rational Suite?
 2. What is Big Bang Model?
 3. Explain Spiral Model.
 4. What is Prototyping Model?
- Que-3(C) Answer the following questions. (ANY ONE) (05)
1. Write note: Waterfall Model.
 2. Write short note on: Win Runner.
- Que-4(A) Answer the following questions. (03)
1. What is Pert Chart?
 2. What is Task Network?
 3. List Algorithmic Methods.

- Que-4(B) Answer the following questions. (ANY TWO) (06)
1. What is Project Management?
 2. List Empirical Project Estimation Techniques. Explain Anyone.
 3. Explain:- Project Scheduling.
 4. Explain:- Project Monitoring.
- Que-4(C) Answer the following questions. (ANY ONE) (05)
1. Write Short note on Automated Estimation Tools.
 2. Explain:- Task Network and Scheduling methods.
- Que-5(A) Answer the following questions. (03)
1. Full form: CAD
 2. Full form: UML.
 3. MS-Visio is a product of Dell Company. (True/False)
- Que-5(B) Answer the following questions. (ANY TWO) (06)
1. What is use case diagram?
 2. Explain Activity Diagram with design.
 3. Explain Class Diagram.
 4. Explain:- Advantages of UML.
- Que-5(C) Answer the following questions. (ANY ONE) (05)
1. Write Short note: MS-Visio.
 2. Write Short note: MS-Project.
