

B.C.A Semester - 3 (CBCS) Examination**Oct/Nov. -2019 (Old Course)****CS-13 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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Q: 1(A) Attempt the following questions (All) 4

1. What is interview?
2. Give full form : SDLC
3. Give full form : QC.
4. Define : QA.

Q: 1(B) Attempt the following questions (Any one) 2

1. What is the role of System Analyst? Discuss it.
2. Explain : Record Review and Observation.

Q: 1(C) Attempt the following questions (Any one) 3

1. Define following: System , Information System , Business System
2. Define following: Decision Tree, Questionnaire , Record review

Q: 1(D) Attempt the following questions (Any one) 5

1. What is Software Engineering? How it is useful in developing software?
2. What is DFD? Explain its symbols in detail.

Q: 2(A) Attempt the following questions (All) 4

1. Define: Bug.
2. Define: Error.
3. Define: Defect.
4. Define: Fault.

Q: 2(B) Attempt the following questions (Any one) 2

1. Write a short note : Dynamic Testing.
2. What are the Unit Testing and Integration Testing?

Q: 2(C) Attempt the following questions (Any one) 3

1. Explain in details : Decision Table Testing.
2. Define : Stress Testing, Load Testing, Usability Testing.

Q: 2(D) Attempt the following questions (Any one) 5

1. Explain Boundary Data Analysis with example.
2. Give overview about : Black Box Testing, White Box Testing and Grey Box Testing. Discuss all these techniques with example.

Q: 3(A) Attempt the following questions (All) 4

1. Define : License Tool.
2. What are GNU and GPL?
3. When Iterative Model is used?
4. When Prototyping Model is used?

Q: 3(B) Attempt the following questions (Any one) 2

1. What is Rational Suite?
2. What is QTP?

Q: 3(C) Attempt the following questions (Any one)	3
1. What are the advantage and disadvantage of waterfall model?	
2. Difference: Freeware v/s Shareware.	
Q: 3(D) Attempt the following questions (Any one)	5
1. Write a short note on: Big Bang Model.	
2. Write a short note on: V-Model.	
Q: 4(A) Attempt the following questions (All)	4
1. Define: Product.	
2. Define: People.	
3. Define: Process.	
4. Define: Project.	
Q: 4(B) Attempt the following questions (Any one)	2
1. What is Project Management?	
2. What is Project Tracking?	
Q: 4(C) Attempt the following questions (Any one)	3
1. What are the Graphical Tools? How they are used?	
2. Describe : Algorithmic methods.	
Q: 4(D) Attempt the following questions (Any one)	5
1. Write a short note on: Timeline Chart.	
2. Write a short note on: Pert Chart.	
Q: 5(A) Attempt the following questions (All)	4
1. Give Full Form : UML	
2. Give Full Form : CAD	
3. Define: Aggregation.	
4. Define: Association.	
Q: 5(B) Attempt the following questions (Any One)	2
1. Explain Class Diagram with example.	
2. Explain Activity Diagram with example.	
Q: 5(C) Attempt the following questions (Any one)	3
1. Explain the Features of MS-Project.	
2. Write down the steps to create diagram in MS-Visio.	
Q: 5(D) Attempt the following questions (Any one)	5
1. What is UML? How it can be used within the project?	
2. What is the Use Case Diagram? Explain with proper example.	
