

B.C.A Semester - 4 (CBCS) Examination**April/May -2022 [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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Q.1(A) Answer following questions. (03)

1. Full form of SQA?
2. What is sub System?
3. Full form of TPS?

Q.1(B) Answer any two. (06)

1. Write a note on Decision table.
2. Explain Feasibility study.
3. Write a note on Quality Assurance.
4. What does a Data Dictionary record?

Q.1(C) Answer any one. (05)

1. Explain SDLC in detail.
2. Explain various fact-finding Technique.

Q.2(A) Answer following questions. (03)

1. What is Defect?
2. Full form of BVA.
3. White box testing also known as?

Q.2(B) Answer any two. (06)

1. Explain difference between Static and dynamic testing.
2. Write a short note on Unit Testing:
3. What is black box, White box and Grey box testing.
4. Explain integration Testing.

Q.2(C) Answer any one. (05)

1. Explain difference test levels or testing strategies.
2. What is system Testing? Explain its type in detail.

Q.3(A) Answer following questions. (03)

1. Full form of QTP?
2. Definition : Freeware.
3. Waterfall model is also known as _____?

- Q.3(B) Answer any two. (06)
1. Explain V-Model.
 2. Explain PROTOTYPING model.
 3. Explain concept of FREEWARE, SHAREWARE and LICENSED tools.
 4. Explain Big-Bang Adaption model.
- Q.3(C) Answer any one. (05)
1. Explain SPIRAL model in detail.
 2. Explain Waterfall Model.
- Q.4(A) Answer following questions. (03)
1. COCOMO stands for ____.
 2. How many different approaches for software sizing problems.
 3. PERT stands for ____.
- Q.4(B) Answer any two. (06)
1. Explain COCOMO in detail.
 2. Explain basic concept for project scheduling & tracking.
 3. Write a short note on Task network scheduling Method.
 4. Explain Timeline Charts.
- Q.4(C) Answer any one. (05)
1. What is project management? And explain 3ps.
 2. Write a short note on Graphical Reporting tools.
- Q.5(A) Answer following questions. (03)
1. CAD stands for ____.
 2. ____ extension of Diagram in Visio?
 3. Full form of UML.
- Q.5(B) Answer any two. (06)
1. Explain Class Diagrams.
 2. What is CAD? And Explain MS-Visio.
 3. Draw use case diagram for online shopping.
 4. Explain MS-Project in detail.
- Q.5(C) Answer any one. (05)
1. Explain Use Case diagram with suitable example.
 2. What is UML? And explain any activity diagram.
