

B.Sc.(IT) Semester - 3 (CBCS) Examination**Nov/Dec. -2021 (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) | Answer followings: | (04) |
| | <ol style="list-style-type: none">1. Full form of QA.2. What is system?3. What is Information System?4. What is Business System? | |
| Q.1(B) | Answer the following: (Any One) | (02) |
| | <ol style="list-style-type: none">1. Explain the term Quality Assurance?2. Explain Role of System Analyst in detail. | |
| Q.1(C) | Answer the following: (Any One) | (03) |
| | <ol style="list-style-type: none">1. Define the Term: Decision Table2. Define the Term: Decision Tree | |
| Q.1(D) | Answer the following: (Any One) | (05) |
| | <ol style="list-style-type: none">1. Explain term Software Engineering.2. Explain SDLC with all steps in detail. | |
| Q.2(A) | Answer followings: | (04) |
| | <ol style="list-style-type: none">1. What do you mean by Fault?2. _____ is a process to find out errors and try to correct it.3. What is the meaning of Defect?4. In _____ technique of testing Internal Knowledge is required. | |
| Q.2(B) | Answer the following: (Any One) | (02) |
| | <ol style="list-style-type: none">1. Explain Performance & Stress testing.2. Explain Grey Box Testing. | |
| Q.2(C) | Answer the following: (Any One) | (03) |
| | <ol style="list-style-type: none">1. Explain Bug and Error in detail.2. Explain Black Box Testing. | |
| Q.2(D) | Answer the following: (Any One) | (05) |
| | <ol style="list-style-type: none">1. Explain testing Artifacts in detail.2. Explain test levels in detail. | |
| Q.3(A) | Answer followings: | (04) |
| | <ol style="list-style-type: none">1. In which model we cannot go back or go to the previous step?2. Andrew Fugleman is giving _____ concept in to the market.3. _____ model is use to develop Universe type of software.4. Full form of QTP. | |
| Q.3(B) | Answer the following: (Any One) | (02) |
| | <ol style="list-style-type: none">1. Explain the term Licensed Tools.2. Explain the term Shareware. | |
| Q.3(C) | Answer the following: (Any One) | (03) |
| | <ol style="list-style-type: none">1. Explain Win runner in detail.2. Explain Load Runner in detail. | |

- Q.3(D) Answer the following: (Any One) (05)
1. Explain Prototyping model in detail.
 2. Explain Iterative model in detail.
- Q.4(A) Answer followings: (04)
1. What is meaning of Pessimistic time?
 2. Full form of CPM is _____.
 3. What is Optimistic time?
 4. Full form of PERT is _____.
- Q.4(B) Answer the following: (Any One) (02)
1. Explain WBS in detail.
 2. Explain the term Project Management.
- Q.4(C) Answer the following: (Any One) (03)
1. Explain Decomposition technique.
 2. Explain Effort Estimation Techniques in detail.
- Q.4(D) Answer the following: (Any One) (05)
1. Explain PERT chart in detail.
 2. Explain Empirical Project Estimation technique in detail.
- Q.5(A) Answer followings: (04)
1. Full form of VSS is_____.
 2. Visio is the word was actually comes from_____.
 3. Full form of UML is_____.
 4. Full form of CAD is_____.
- Q.5(B) Answer the following: (Any One) (02)
1. Give the definition of UML.
 2. Explain Use Case Diagram with example.
- Q.5 (C) Answer the following: (Any One) (03)
1. Explain Interaction Diagram.
 2. Explain Activity Diagram.
- Q.5(D) Answer the following: (Any One) (05)
1. Explain the Goals of UML in detail.
 2. Write a note on MS-VISIO.
