

B.Sc.(IT) Semester - 3 (CBCS) Examination
Oct/Nov - 2024 (As Per Syllabus Year June-2017)
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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- Que.1(A) Answer following Questions. (04)
1. Give full form of SDLC.
 2. A unit or device that is part of a larger system is known as _____.
 3. A _____ is a collection of names, definitions, and attributes about data elements that are being used or captured in an information system.
 4. Give full form of QA and QC.
- Que.1(B) Answer Any One. (02)
1. What is Software Engineering?
 2. What is Information System?
- Que.1(C) Answer Any One. (03)
1. Explain difference between QA & QC
 2. Explain Decision Tree and Decision Table.
- Que.1(D) Answer Any One. (05)
1. Write short note on fact finding techniques
 2. Write short note on DFD.
- Que.2(A) Answer following Questions. (04)
1. A _____ is a coding error in computer program.
 2. A _____ is a detailed set of inputs to verify the software requirements.
 3. _____ is a type of testing that's carried out on software during code execution.
 4. _____ is dynamic testing is a type of testing that's carried out on software during code execution.
- Que.2(B) Answer Any One. (02)
1. What is error?
 2. What is Test Harness?
- Que.2(C) Answer Any One. (03)
1. What is Unit Testing?
 2. Explain Grey Box Testing.
- Que.2(D) Answer Any One. (05)
1. Write short note on Black Box Testing.
 2. Explain Static and Dynamic Testing.
- Que.3(A) Answer following Questions. (04)
1. Give full form of QTP.
 2. _____ is defined as the process of developing a working replication of a product or system that has to be engineered.
 3. The _____ Model allows the accessing earlier phases, in which the variations made respectively.
 4. _____ is performance testing tool.
- Que.3(B) Answer Any One. (02)
1. What is Rational Suite?
 2. What is Big Bang model?

- Que.3(C) Answer Any One. (03)
1. What is freeware, shareware and licensed tools?
 2. Explain V-Model.
- Que.3(D) Answer Any One. (05)
1. Explain Win Runner and Load Runner.
 2. Write short note on waterfall model.
- Que.4(A) Answer following Questions. (04)
1. _____ is the process of dividing a problem/program into multiple sub problems/subprograms.
 2. The _____ chart is a graphical representation of the different activities in a project and the time required to complete those activities.
 3. The _____ is used to compute the critical path, a timeline chart and a variety of project information.
 4. _____ is full form of PERT.
- Que.4(B) Answer Any One. (02)
1. What is Project Management?
 2. Explain use of Graphic Reporting Tool
- Que.4(C) Answer Any One. (03)
1. Explain Project Costing
 2. What is Pert Chart?
- Que.4(D) Answer Any One (05)
1. Write short note on Empirical Project Estimation Techniques.
 2. Write short note on Effort Estimation Techniques.
- Que.5(A) Answer following Questions. (04)
1. _____ is used for designing and documentation.
 2. _____ is used for controlling and Project management.
 3. Give full form of UML.
 4. In Activity diagram, the starting state before an activity takes place is depicted using _____.
- Que.5(B) Answer Any One. (02)
1. What is Use-Case Diagram?
 2. How to define relationship in class diagram?
- Que.5(C) Answer Any One. (03)
1. Explain Class diagram.
 2. Explain MS-Visio.
- Que.5(D) Answer Any One. (05)
1. Write short note on Activity Diagram.
 2. Write short note on MS-Project.
