

B.C.A. Sem-6 Examination

CC 307

Software Testing

October 2021

Time : 2-00 Hours]

[Max. Marks : 50

Instructions: All Questions in Section – I carry equal marks.

Attempt any Two questions in Section – I.

Question V in Section - II is Compulsory.

Section - I

- Q.1 A What is software testing? List and explain goals of software testing. [10]
 B Write a short note on: Software Testing Life Cycle and Dynamic Testing. [10]
- Q.2 A Explain decision table technique in details. [10]
 B What do you mean by software inspection? List different members of software inspection process team and explain their role. [10]
- Q.3 A What is integration testing? Explain path based integration technique. [10]
 B Explain in brief: (i) Role of Stub and drivers (ii) Alpha and Beta testing. [10]
- Q.4 A What is test reporting? Explain different types of test reports. [10]
 B What internal standards are considered in test management? Who designed them? Explain different types of internal standards. [10]
- Q.5 **Select the correct option.** [10]
- i. Software testing produces _____.
 - a. reliability.
 - b. quality.
 - c. customer satisfaction.
 - d. All of the above.
 - ii. _____ is a condition that in actual causes a system to produce failure.
 - a. Failure.
 - b. Fault.
 - c. Error.
 - d. None of the above.
 - iii. Every design feature and its corresponding code is checked logically with every possible path execution in _____.
 - a. Black-box testing
 - b. White-box testing
 - c. Testing tool
 - d. None of the above
 - iv. Boundary value analysis and equivalence class partitioning methods do not consider _____.
 - a. Combinations of input conditions
 - b. Inputs
 - c. Outputs
 - d. None of the above
 - v. A node with more than one arrow entering it is called a _____.
 - a. decision node
 - b. junction node
 - c. region
 - d. All of the above
 - vi. Which of the following is a more formal process?
 - a. Walkthroughs
 - b. Inspection
 - c. Reviews
 - d. None of the above

PTO

E 378-2

- vii. Before we validate the entire software, _____ must be validated first.
- modules
 - system
 - functionality
 - All of the above
- viii. A call graph is a _____.
- undirected graph
 - cyclic graph
 - directed graph
 - none of the above
- ix. A _____ gives summary of the activities carried out during the testing cycle.
- Test Cycle Report
 - Test Summary Report
 - Test Incident Report
 - All of the above
- x. In Test Infrastructure Management, DR stands for _____.
- Data Register
 - Data Repository
 - Defect Register
 - Defect Repository
-