AA-101

April-2023

BCA, Sem.-VI

CC-307 : Software Testing

Time : 2:30 Hours]   **[Max. Marks : 70**

1. Write the Following.

   (1) What is Software Testing ? Explain Software Testing Life Cycle.   **7**

   (2) Explain Testing Principles.   **7**

               OR

   (1) Explain goal of Software Testing.   **7**

   (2) What is Verification and Validation ? Explain V-Testing Life Cycle Model.   **7**

2. Write the following :

   (1) What is Black-Box Testing ? Explain Boundary Value Checking with example.   **7**

   (2) What is Decision Table ? Explain with example.   **7**

               OR

   (1) What is Static Testing ? Explain Inspection and Walkthrough in detail.   **7**

   (2) What is White-Box Testing ? Explain Logic Coverage Criteria.   **7**

3. Write the following :

   (1) Explain Unit Testing and Integration Testing.   **7**

   (2) Explain Graph Based Techniques.   **7**

               OR

   (1) Explain Functional Testing and System Testing.   **7**

   (2) Explain Acceptance Testing and its types.   **7**

4. Write the following :

   (1) Explain Preparing a Test Plan, Resource Requirement and Testing Tasks.   **7**

   (2) Explain Test Management in detail.   **7**

               OR

   (1) Explain Test Process in detail.   **7**

   (2) Write a note on Test Reporting.   **7**

5. Answer the following : (Any **Seven**) **14**
    (1) _____ refers to difference between actual output and expected output.
        (A) Fault (B) Error
        (C) Defect (D) None of Above
    (2) Long term goal include _____.
        (A) Bug Discovery (B) Improved Testing Process
        (C) Quality (D) All of Above
    (3) STLC stands for _____.
        (A) Software Testing Life Cycle (B) Structure Testing Life Cycle
        (C) System Testing Life Cycle (D) Security Testing Life Cycle
    (4) BVA stands for _____.
        (A) Basic Value Analysis (B) Boundary Value Analysis
        (C) Border Value Analysis (D) Big Value Analysis
    (5) Structural testing include _____.
        (A) Walkthrough (B) Inspection
        (C) Logic Coverage Criteria (D) None of Above
    (6) A node with more than one arrow leaving it is called a _____.
        (A) Decision Node (B) Node
        (C) Junction Node (D) None of Above
    (7) _____ is the first piece of system to be validated.
        (A) Functional Testing (B) Unit Testing
        (C) Non-Functional Testing (D) Integration Testing
    (8) FIT stands for _____.
        (A) First Integration Testing (B) Finished Integration Testing
        (C) Final Integration Testing (D) Functional Integration Testing
    (9) _____ is defined as a testing phase conducted on the complete integrated system.
        (A) System Testing (B) Integration Testing
        (C) Unit Testing (D) All of Above
    (10) Test planning include _____.
        (A) Choice of Standards (B) Scope Management
        (C) Test Case Specification (D) None of Above
    (11) Static testing can be applied for most of the _____ activities.
        (A) Validation (B) SDLC
        (C) Verification (D) All of Above
    (12) The nodes from which the control is transferred are called _____.
        (A) Sink Nodes (B) Source Nodes
        (C) Message (D) None of Above

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