

39 Lecture - CS504

Important Mcqs

1. Which of the following is another term for White Box Testing?

- a) Black Box Testing
- b) Clear Box Testing
- c) Grey Box Testing
- d) Functional Testing

Solution: b) Clear Box Testing

2. What is the main focus of White Box Testing?

- a) Testing the user interface
- b) Testing functional requirements
- c) Testing internal code structure
- d) Testing performance metrics

Solution: c) Testing internal code structure

3. Which technique is NOT used in White Box Testing?

- a) Statement Coverage
- b) Boundary Value Analysis
- c) Branch Coverage
- d) Path Coverage

Solution: b) Boundary Value Analysis

4. What is the primary objective of White Box Testing?

- a) Validating system usability
- b) Identifying defects from end-users' perspective

- c) Assessing the security of the application
- d) Ensuring code correctness and completeness

Solution: d) Ensuring code correctness and completeness

5. White Box Testing is most suitable for:

- a) Unit Testing
- b) User Acceptance Testing
- c) Performance Testing
- d) Regression Testing

Solution: a) Unit Testing

6. Which testing technique measures the percentage of code executed during testing?

- a) Code Complexity Testing
- b) Code Coverage Testing
- c) Code Review Testing
- d) Code Performance Testing

Solution: b) Code Coverage Testing

7. What is the purpose of using code reviews in White Box Testing?

- a) To assess the application's usability
- b) To ensure that all requirements are met
- c) To identify security vulnerabilities
- d) To catch defects early in the development process

Solution: d) To catch defects early in the development process

8. Which White Box Testing technique aims to validate all possible code paths?

- a) Statement Coverage
- b) Decision Coverage
- c) Path Coverage

d) Condition Coverage

Solution: c) Path Coverage

9. Cyclomatic Complexity is associated with which White Box Testing technique?

a) Boundary Value Analysis

b) Decision Coverage

c) Data Flow Testing

d) Loop Testing

Solution: b) Decision Coverage

10. In White Box Testing, what is the goal of loop testing?

a) To verify the correctness of loop syntax

b) To test the performance of loops

c) To ensure all loops are executed at least once

d) To evaluate the effectiveness of loops

Solution: c) To ensure all loops are executed at least once