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