41 Lecture - CS504

Important Mcqs

1. What is the primary goal of software inspections?

- a) Detecting defects during development
- b) Executing test cases to validate functionality
- c) Performing load and stress testing
- d) Generating automated test scripts

Solution: a) Detecting defects during development

2. Inspections are considered a ______ technique, while Testing is considered a ______ technique.

- a) Preventive, Corrective
- b) Corrective, Preventive
- c) Static, Dynamic
- d) Dynamic, Static

Solution: c) Static, Dynamic

3. Which quality assurance technique requires the use of test data and test cases?

- a) Inspections
- b) Code Reviews
- c) Testing
- d) All of the above

Solution: c) Testing

4. What is the primary focus of software inspections?

- a) Reviewing code for correctness and adherence to coding standards
- b) Validating the functionality of the software

- c) Identifying performance bottlenecks
- d) Detecting security vulnerabilities

Solution: a) Reviewing code for correctness and adherence to coding standards

5. Which technique is more cost-effective for detecting defects early in the software development process?

- a) Inspections
- b) Testing
- c) Both are equally cost-effective
- d) None of the above

Solution: a) Inspections

6. Inspections are mainly performed by:

- a) End-users
- b) Independent testers
- c) The development team
- d) Automated tools

Solution: c) The development team

7. Testing can be classified into various types, such as:

- a) White Box, Black Box, and Grey Box Testing
- b) Inspections, Walkthroughs, and Code Reviews
- c) Unit Testing, Integration Testing, and System Testing
- d) Load Testing, Stress Testing, and Performance Testing

Solution: c) Unit Testing, Integration Testing, and System Testing

8. Which technique requires the execution of the software?

- a) Inspections
- b) Peer Reviews

c) Static Analysis

d) Testing

Solution: d) Testing

9. The main difference between inspections and testing lies in their:

- a) Purpose
- b) Scope
- c) Timing
- d) All of the above

Solution: d) All of the above

10. Inspections are particularly effective in finding defects related to:

- a) Performance
- b) Integration
- c) Code logic and syntax
- d) User interface design

Solution: c) Code logic and syntax