

# 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**