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?

b) Validating the functionality of the software

a) Reviewing code for correctness and adherence to coding standards

- 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