

Sample Questions

ISTQB Foundation Questions

Questions Prepared By



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- #1. Which of the following is the best example of a defect that causes harm?
- A usability defect that results in user dissatisfaction
 - A defect that causes slow response time when running reports
 - A defect that causes raw sewage to be dumped into the ocean
 - A regression defect that causes the desktop window to display in green
- #2. Which of the following will help prevent defects from reoccurring?
- Rotating developers to keep them motivated
 - Determining the environmental conditions that caused the failure
 - Improving processes based on root cause analysis
 - Prioritizing reoccurring defects higher than new defects
- #3. Which testing level is primarily focused on building confidence rather than finding defects?
- Unit testing
 - Integration testing
 - System testing
 - Acceptance testing
- #4. Which characteristic must a tester possess in order to be successful when working with a project team?
- Constructive communication skills
 - Authoritarian leadership style
 - Extroverted personality
 - Extensive organizational network
- #5. If you need to add system integration testing as a test level for a particular project, what testing level should it directly follow?
- Component
 - Component integration
 - System
 - Acceptance
- #6. In which testing level are the developers most heavily involved?
- Compatibility
 - Acceptance
 - Component
 - Conversion
- #7. If you are testing to ensure that the software will be easy to analyze and change, what type of non-functional testing are you conducting?
- Portability
 - Functional
 - Usability
 - Maintainability

- #8. Which of the following is an important characteristic of tests used for regression testing?
- They focus on testing the intricate and difficult-to-test aspects of the software
 - They require significant maintenance effort for each release
 - They are used for one release and are then discarded to keep the test set fresh
 - They are reusable for multiple releases with little maintenance
- #9. Which of the following is a trigger for maintenance testing?
- A new software product is being developed and defects have been found in unit testing
 - A new software product is being developed and will work across multiple platforms
 - A component of an existing production software product has been removed
 - A component of an existing production software product has received high usage
- #10. Which of the following is an effective method for finding defects early in the software lifecycle?
- Static analysis
 - System testing
 - User acceptance testing
 - Implementation validation testing
- #11. If a review is being led by the author of the document, what type of review is it?
- Inspection
 - Technical review
 - Walkthrough
 - Informal
- #12. Which of the following is a key factor in the success of a work product review?
- Limit the number of defects found
 - Define the objectives
 - Couple it to performance reviews
 - Open invitation
- #13. When should the expected results of a test case be defined?
- When the test case is written, prior to execution
 - When the test case is executed
 - When the risk is assessed
 - When the test condition is identified
- #14. Which of the following black-box testing techniques focuses on covering all combinations of triggering conditions?
- State transition testing
 - Equivalence partitioning
 - Boundary value analysis
 - Decision table testing

#15. What do use cases describe?

- a. Process flows
- b. Data flows
- c. Control flows
- d. Code flows

#16. If you are using a testing technique to identify test cases that were missed when you applied formal testing techniques, what type of test design are you doing?

- a. Experience-based
- b. Informal
- c. Defect-based
- d. Ad hoc

#17. If you need to attain a certain level of code coverage for a particular software product your team is testing, what type of testing should you use?

- a. Specification-based
- b. Structure-based
- c. Experience-based
- d. Defect-based

#18. Which of the following tasks is most typical for a tester

- a. Coordinate the testing strategy with project managers
- b. Determine what tests should be automated
- c. Acquire and prepare data to be used for testing
- d. Use test results to guide future planning

#19. At what point in the project should the test execution be scheduled?

- a. During test planning
- b. During test analysis and design
- c. During test implementation
- d. During test execution

#20. Which of the following should include the scheduling of test analysis?

- a. Test approach
- b. Test strategy
- c. Test planning
- d. Test estimation

#21. If the project is using highly skilled and experienced developers, what is affected by this factor?

- a. The test strategy
- b. The test estimate
- c. The test reporting
- d. The test automation

#22. Which of the following test estimation approaches is based on typical values?

- a. Risk-based
- b. Value-based
- c. Expert-based
- d. Metrics-based

#23. For what level of testing is the following criterion appropriate? No priority 1, 2, or 3 defects are open and all priority 4 defects must have a documented workaround and are accepted by the business.

- a. Exit from unit testing
- b. Entrance to integration testing
- c. Exit from integration testing
- d. Exit from system testing

#24. If you want to track all changes to versions of your testware, what should you implement?

- a. Tracker control
- b. Configuration management
- c. Test control
- d. Test reporting

#25. Which of the following is a risk that could threaten the project's objectives?

- a. The software fails to detect the selection of an invalid workflow path by a user with restricted rights
- b. A data conversion is failing because of an unexpected data format
- c. The test environment is not ready
- d. There are several usability issues in the software

#26. What can a risk-based approach to testing help identify?

- a. Levels of system access to provide to testers
- b. Appropriate testing techniques to use on the system
- c. Role of the test lead for the project
- d. Responsibility for failures that occur in production

#27. In an incident report, what is another attribute that can be used to indicate the priority of the incident?

- a. Severity
- b. Risk
- c. Urgency
- d. Impact

#28. Which of the following tools would be most appropriate for managing defects throughout the software lifecycle?

- a. Configuration management tools
- b. Requirements management tools
- c. Failure management tools
- d. Incident management tools