

# **Sample Questions**

## **ISTQB Foundation Questions**

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**Released January 2017**

- #1. Which of the following is the best example of a defect that causes harm?
- a. A usability defect that results in user dissatisfaction
  - b. A defect that causes slow response time when running reports
  - c. A defect that causes raw sewage to be dumped into the ocean
  - d. A regression defect that causes the desktop window to display in green
- #2. Which of the following will help prevent defects from reoccurring?
- a. Rotating developers to keep them motivated
  - b. Determining the environmental conditions that caused the failure
  - c. Improving processes based on root cause analysis
  - d. Prioritizing reoccurring defects higher than new defects
- #3. Which testing level is primarily focused on building confidence rather than finding defects?
- a. Unit testing
  - b. Integration testing
  - c. System testing
  - d. Acceptance testing
- #4. Which characteristic must a tester possess in order to be successful when working with a project team?
- a. Constructive communication skills
  - b. Authoritarian leadership style
  - c. Extroverted personality
  - d. 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?
- a. Component
  - b. Component integration
  - c. System
  - d. Acceptance
- #6. In which testing level are the developers most heavily involved?
- a. Compatibility
  - b. Acceptance
  - c. Component
  - d. 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?
- a. Portability
  - b. Functional
  - c. Usability
  - d. 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