

1. Error guessing is best used:

- a) after more formal techniques have been applied
- b) as the first approach to deriving test cases
- c) by inexperienced testers
- d) after the system has gone live

2. Could reviews or inspections be considered part of testing?

- a) no, because they apply to development documentation
- b) no, because they are normally applied before testing
- c) yes, because both help detect faults and improve quality
- d) yes, because testing includes all non-constructive activities

3. The cost of fixing a fault:

- a) is not important
- b) increases the later a fault is found
- c) decreases the later a fault is found
- d) can never be determined

4. Which of the following is NOT part of system testing?

- a) business process-based testing
- b) performance, load and stress testing
- c) usability testing
- d) top-down integration testing

5. Which of the following is NOT a reasonable test objective:

- a) to find faults in the software
- b) to prove that the software has no faults
- c) to give confidence in the software

d) to find performance problems

6. Which of the following uses Impact Analysis most?

a) component testing

b) non-functional system testing

c) user acceptance testing

d) maintenance testing

7. What type of review requires formal entry and exit criteria, including metrics:

a) walkthrough

b) inspection

c) management review

d) post project review

8. Expected results are:

a) only important in system testing

b) only used in component testing

c) most useful when specified in advance

d) derived from the code

9. The main focus of acceptance testing is:

a) finding faults in the system

b) ensuring that the system is acceptable to all users

c) testing the system with other systems

d) testing from a business perspective

10. Given the following types of tool, which tools would typically be used by developers, and which by an independent system test team?

- i. static analysis
- ii. performance testing
- iii. test management
- iv. dynamic analysis

a) developers would typically use i and iv; test team ii and iii ???

b) developers would typically use i and iii; test team ii and iv

c) developers would typically use ii and iv; test team i and iii

d) developers would typically use i, iii and iv; test team ii

11. A tool that supports traceability, recording of incidents or scheduling of tests is called:

a) a dynamic analysis tool

b) a test execution tool

c) a debugging tool

d) a test management tool

e) a configuration management tool

12. Test managers should not:

a) report on deviations from the project plan

b) sign the system off for release

c) re-allocate resource to meet original plans

d) raise incidents on faults that they have found

e) provide information for risk analysis and quality improvement

13. The place to start if you want a (new) test tool is:

a) Attend a tool exhibition

b) Invite a vendor to give a demo

c) Analyse your needs and requirements

d) Find out what your budget would be for the tool

e) Search the internet

14. When a new testing tool is purchased, it should be used first by:

a) A small team to establish the best way to use the tool

b) Everyone who may eventually have some use for the tool

c) The independent testing team

d) The managers to see what projects it should be used in

e) The vendor contractor to write the initial scripts

15. Given the following:

Switch PC on Start "outlook"

IF outlook appears

THEN Send an email

Close outlook

a) 1 test for statement coverage, 1 for branch coverage

b) 1 test for statement coverage, 2 for branch coverage

c) 1 test for statement coverage. 3 for branch coverage

d) 2 tests for statement coverage, 2 for branch coverage

e) 2 tests for statement coverage, 3 for branch coverage

16. In which order should tests be run?

a. the most important tests first

b. the most difficult tests first(to allow maximum time for fixing)

c. the easiest tests first(to give initial confidence)

d. the order they are thought of

17. Which of the following is the odd one out?

- a. white box
- b. glass box
- c. structural
- d. functional

18. Which of the following is likely to benefit most from the use of test tools providing test capture and replay facilities?

- a) Regression testing
- b) Integration testing
- c) System testing
- d) User acceptance testing

19. Which of the following is false?

- a) In a system two different failures may have different severities.
- b) A system is necessarily more reliable after debugging for the removal of a fault.
- c) A fault need not affect the reliability of a system.
- d) Undetected errors may lead to faults and eventually to incorrect behavior.

20. Which of the following characterizes the cost of faults?

- a) They are cheapest to find in the early development phases and the most expensive to fix in the latest test phases.
- b) They are easiest to find during system testing but the most expensive to fix then.
- c) Faults are cheapest to find in the early development phases but the most expensive to fix then.
- d) Although faults are most expensive to find during early development phases, they are cheapest to fix then.

21. What is the main difference between a walkthrough and an inspection?

- a) An inspection is lead by the author, whilst a walkthrough is lead by a trained moderator.
- b) An inspection has a trained leader, whilst a walkthrough has no leader.
- c) Authors are not present during inspections, whilst they are during walkthroughs.

d) A walkthrough is lead by the author, whilst an inspection is lead by a trained moderator

22 Which of the following is a form of functional testing?

- a) Static Analysis
- b) Usability testing
- c) Performance testing
- d) Security testing

23. One Key reason why developers have difficulty testing their own work is :

- a. Lack of technical documentation
- b. Lack of test tools on the market for developers
- c. Lack of training
- d. Lack of Objectivity

24. 'X' has given a data on a person's age, which should be between 1 to 99. Using BVA which is the appropriate one

- a. 0,1,2,99
- b. 1, 99, 100, 98
- c. 0, 1, 99, 100
- d. -1, 0, 1, 99

25. Which of the below would be the best basis for fault attack testing?

- a. Experience, defect and failure data, knowledge about software failures.
- b. Risk analysis performed at the beginning of the project.
- c. Use Cases derived from the business flows by domain experts.
- d. Expected results from comparison with an existing system.

26. An employee's bonus is to be calculated. It cannot become negative, but it can be calculated to zero. The bonus is based on the duration of the employment. An employee can be employed for less than or equal to 2 years, more than 2 years but less than 5 years, 5 to 10 years, or longer than 10 years. Depending on this period of employment, an

employee will get either no bonus or a bonus of 10%, 25% or 35%. How many equivalence partitions are needed to test the calculation of the bonus?

- a.3
- b.5
- c.2
- d.4

27.The Switch is switched off once the temperature falls below 18 and then it is turned on when the temperature is more than 21. Identify the Equivalence values which belong to the same class.

- a. 12,16,22
- b. 24,27,17
- c. 22,23,24
- d 14,15,19

28.Which of the following is Project Risk

- a. A module that performs incorrect calculations due to a defect in a formula
- b. A failed performance Test
- c. An issue with the interface between the system under test a peripheral device
- d. A problem with development Manager which is resulting in his rejecting all defect Report

29.Which of these tasks would you expect to perform during Test Analysis and

- a. Setting or defining test objectives.
- b. Reviewing the test basis.
- c. Creating test suites from test procedures.
- d. Analyzing lessons learned for process improvement.

30.Which of the following statements BEST describes one of the seven key principles of software testing?

- a. Automated tests are better than manual tests for avoiding the Exhaustive Testing.

- b. Exhaustive testing is, with sufficient effort and tool support, feasible for all software.
- c. It is normally impossible to test all input/output combinations for a software system.
- d. The purpose of testing is to demonstrate the absence of defects.

31. Features to be tested, approach, the testing tasks and test deliverables should be specified in which document?

- a. Test case specification
- b. Test procedure specification
- c. Test plan
- d. Test design specification

32. Which of the following is not a part of the Test Implementation and Execution Phase

- a. Creating test suites from the test cases
- b. Executing test cases either manually or by using test execution tools
- c. Comparing actual results
- d. Designing the Tests

33. Which of the following is a KEY task of a tester?

- a. Reviewing tests developed by others
- b. Writing a test strategy for the project
- c. Deciding what should be automated
- d. Writing test summary reports

34. Which is the best definition of complete testing:

- a. You have discovered every bug in the program.
- b. You have tested every statement, branch, and combination of branches in the program.
- c. You have completed every test in the test plan.
- d. You have reached the scheduled ship date.