

ISTQB Foundation Sample Question Paper No. 19

Q. 1: Drivers are tools used to control and operate the software being tested.

- A. True
- B. False

Q. 2: Typical defects discovered by static analysis includes

- A. Programming standard violations
- B. Referring a variable with an undefined value
- C. Security vulnerabilities
- D. All Above

Q. 3: EULA stands for

- A. End Usability License Agreement
- B. End User License Agreement
- C. End User License Arrangement
- D. End User License Attachment

Q. 4: _____ is a very early build intended for limited distribution to a few key customers and to marketing for demonstration purposes.

- A. Alpha release
- B. Beta release
- C. Test release document
- D. Build

Q. 5: CAST stands for

- A. Computer Aided Software Testing
- B. Computer Aided Software Tools
- C. Computer Analysis Software Techniques
- D. None

Q. 6: The tool modifies the program code or manipulates the operating environment in any way is considered non-invasive

- A. True
- B. False

Q. 7: Which test may not mimic real world situations

- A. Functional testing
- B. Structural Testing
- C. All of the above
- D. None of the above

Q. 8: _____ includes both Black box and White Box Testing features

- A. Gray Box Testing
- B. Hybrid Testing
- C. A. & B.
- D. None

Q. 9: Exhaustive testing is possible

- A. True
- B. False

Q. 10: Tool which stores requirement statements, check for consistency and allow requirements to be prioritized and enable individual tests to be traceable to requirements, functions and features.

- A. Incident management tools

- B. Requirements management tools
- C. Configuration management tools
- D. None

Q. 11: The number of tests to test all control statements equals the cyclomatic complexity

- A. True
- B. False

Q. 12: Boundary value analysis can only be used during white-box testing.

- A. True
- B. False

Q. 13: Which of these are objectives for software testing?

- A. Determine the productivity of programmers
- B. Eliminate the need for future program maintenance
- C. Eliminate every error prior to release
- D. Uncover software errors

Q. 14: Failure is _____

- A. Incorrect program behaviour due to a fault in the program
- B. Bug found before product Release
- C. Bug found after product Release
- D. Bug found during Design phase

Q. 15: During the software development process, at what point can the test process start?

- A. When the code is complete.
- B. When the design is complete.
- C. When the software requirements have been approved.
- D. When the first code module is ready for unit testing

Q. 16: "How much testing is enough?"

- A. This question is impossible to answer
- B. This question is easy to answer
- C. The answer depends on the risk for your industry, contract and special requirements
- D. This answer depends on the maturity of your developers

Q. 17: Which of the following tools would be involved in the automation of regression test?

- A. Data tester
- B. Boundary tester
- C. Capture/Playback
- D. Output comparator.

Q. 18: Incorrect form of Logic coverage is:

- A. Statement Coverage
- B. Pole Coverage
- C. Condition Coverage
- D. Path Coverage

Q. 19: Code Coverage is used as a measure of what?

- A. Defects
- B. Trends analysis
- C. Test Effectiveness
- D. Time Spent Testing

Q. 20: Fault Masking is

- A. Error condition hiding another error condition

- B. Creating a test case which does not reveal a fault
- C. Masking a fault by developer
- D. Masking a fault by a tester

Q. 21: Which of the following is not a quality characteristic listed in ISO 9126 Standard?

- A. Functionality
- B. Usability
- C. Supportability
- D. Maintainability

Q. 22: 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

Q. 23: Statement Coverage will not check for the following.

- A. Missing Statements
- B. Unused Branches
- C. Dead Code
- D. Unused Statement

Q. 24: Given the Following program

```
IF X <>= Z  
THEN Statement 2;  
END
```

McCabe's Cyclomatic Complexity is :

- A. 2
- B. 3
- C. 4
- D. 5

Q. 25: To test a function, the programmer has to write a _____, which calls the function to be tested and passes it test data.

- A. Stub
- B. Driver
- C. Proxy
- D. None of the above

Q. 26: Pick the best definition of quality

- A. Quality is job one
- B. Zero defects
- C. Conformance to requirements
- D. Work as designed

Q. 27: Boundary value testing

- A. Is the same as equivalence partitioning tests
- B. Test boundary conditions on, below and above the edges of input and output equivalence classes
- C. Tests combinations of input circumstances
- D. Is used in white box testing strategy

Q. 28: An input field takes the year of birth between 1900 and 2004

The boundary values for testing this field are

- A. 0,1900,2004,2005
- B. 1900, 2004
- C. 1899,1900,2004,2005
- D. 1899, 1900, 1901,2003,2004,2005

Q. 29: How many test cases are necessary to cover all the possible sequences of statements (paths) for the following program fragment? Assume that the two conditions are independent of each other:

```
if (Condition 1) then statement 1 else statement 2 fi
if (Condition 2)
then statement 3 fi
```

- A. 2 Test Cases
- B. 3 Test Cases
- C. 4 Test Cases
- D. Not achievable

Q. 30: A common test technique during component test is

- A. Statement and branch testing
- B. Usability testing
- C. Security testing
- D. Performance testing

Q. 31: In a review meeting a moderator is a person who

- A. Takes minutes of the meeting
- B. Mediates between people
- C. Takes telephone calls
- D. Writes the documents to be reviewed

Q. 32: Acceptance test cases are based on what?

- A. Requirements
- B. Design
- C. Code
- D. Decision table

Q. 33: Which one of the following are non-functional testing methods?

- A. System testing
- B. Usability testing
- C. Performance testing
- D. Both B & C

Q. 34: Independent Verification & Validation is

- A. Done by the Developer
- B. Done by the Test Engineers
- C. Done By Management
- D. Done by an Entity Outside the Project's sphere of influence

Q. 35: Defect Management process does not include

- A. Defect prevention
- B. Deliverable base-lining
- C. Management reporting
- D. None of the above

Q. 36: Which of the following could be a reason for a failure

- 1) Testing fault

- 2) Software fault
- 3) Design fault
- 4) Environment Fault
- 5) Documentation Fault

- A. 2 is a valid reason; 1,3,4 & 5 are not
- B. 1,2,3,4 are valid reasons; 5 is not
- C. 1,2,3 are valid reasons; 4 & 5 are not
- D. All of them are valid reasons for failure

Q. 37: Test are prioritized so that:

- A. You shorten the time required for testing
- B. You do the best testing in the time available
- C. You do more effective testing
- D. You find more faults

Q. 38: 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 vendor contractor to write the initial scripts

Q.39: During which test activity could faults be found most cost effectively?

- A. Execution
- B. Design
- C. Planning
- D. Check Exit criteria completion

Q. 40: What is the difference between testing software developed by contractor outside your country, versus testing software developed by a contractor within your country?

- A. Does not meet people needs
- B. Cultural difference
- C. Loss of control over reallocation of resources
- D. Relinquishment of control

Answers:

- Q.1-A
- Q.2-C
- Q.3-B
- Q.4-B
- Q.5-A
- Q.6-B
- Q.7-B
- Q.8-A
- Q.9-B
- Q.10-B
- Q.11-A
- Q.12-B
- Q.13-D
- Q.14-A
- Q.15-C
- Q.16-C
- Q.17-C
- Q.18-B
- Q.19-C

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Q.20-A
Q.21-C
Q.22-D
Q.23-A
Q.24-B
Q.25-B
Q.26-C
Q.27-B
Q.28-C
Q.29-C
Q.30-A
Q.31-B
Q.32-A
Q.33-D
Q.34-D
Q.35-B
Q.36-D
Q.37-B
Q.38-A
Q.39-C
Q.40-B

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