

## ISTQB Sample Question Paper Dump #10

Q1 A deviation from the specified or expected behaviour that is visible to end-users is called:

- a) an error
- b) a fault
- c) a failure
- d) a defect

Q2 Regression testing should be performed:

- v) every week
- w) after the software has changed
- x) as often as possible
- y) when the environment has changed
- z) when the project manager says

- a) v & w are true, x, y & z are false
- b) w, x & y are true, v & z are false
- c) w & y are true, v, x & z are false
- d) w is true, v, x, y & z are false

Q3 IEEE 829 test plan documentation standard contains all of the following except

- a) test items
- b) test deliverables
- c) test tasks
- d) test specifications

Q4 When should testing be stopped?

- a) when all the planned tests have been run
- b) when time has run out
- c) when all faults have been fixed correctly
- d) it depends on the risks for the system being tested

Q5 Order numbers on a stock control system can range between 10000 and 99999 inclusive. Which of the following inputs might be a result of designing tests for only valid equivalence classes and valid boundaries?

- a) 1000, 50000, 99999
- b) 9999, 50000, 100000
- c) 10000, 50000, 99999
- d) 10000, 99999, 100000

Q6 Consider the following statements about early test design:

- i. early test design can prevent fault multiplication
- ii. faults found during early test design are more expensive to fix
- iii. early test design can find faults
- iv. early test design can cause changes to the requirements
- v. early test design normally takes more effort

- a) i, iii & iv are true; ii & v are false
- b) iii & iv are true; i, ii & v are false
- c) i, iii, iv & v are true; ii is false
- d) i & ii are true; iii, iv & v are false

**Q7 Non-functional system testing includes:**

- a) testing to see where the system does not function correctly
- b) testing quality attributes of the system including performance and usability
- c) testing a system function using only the software required for that function
- d) testing for functions that should not exist

**Q8 Which of the following is NOT part of configuration management?**

- a) auditing conformance to ISO 9000
- b) status accounting of configuration items
- c) identification of test versions
- d) controlled library access

**Q9 Which of the following is the main purpose of the integration strategy for integration testing in the small?**

- a) to ensure that all of the small modules are tested adequately
- b) to ensure that the system interfaces to other systems and networks
- c) to specify which modules to combine when, and how many at once
- d) to specify how the software should be divided into modules

**Q10 What is the purpose of a test completion criterion?**

- a) to know when a specific test has finished its execution
- b) to ensure that the test case specification is complete
- c) to set the criteria used in generating test inputs
- d) to determine when to stop testing

**Q11 Consider the following statements:**

- i. an incident may be closed without being fixed.
- ii. incidents may not be raised against documentation.
- iii. the final stage of incident tracking is fixing.
- iv. the incident record does not include information on test environments.

- a) ii is true, i, iii and iv are false
- b) i is true, ii, iii and iv are false
- c) i and iv are true, ii and iii are false
- d) i and ii are true, iii and iv are false

**Q12 Given the following code, which statement is true about the minimum number of test cases required for full statement and branch coverage?**

```
Read p
Read q
IF p+q > 100 THEN
Print "Large"
ENDIF
IF p > 50 THEN
Print "p Large"
ENDIF
```

- a) 1 test for statement coverage, 3 for branch coverage
- b) 1 test for statement coverage, 2 for branch coverage
- c) 1 test for statement coverage, 1 for branch coverage
- d) 2 tests for statement coverage, 2 for branch coverage

**Q13 Consider the following statements:**

- i. 100% statement coverage guarantees 100% branch coverage.
- ii. 100% branch coverage guarantees 100% statement coverage.
- iii. 100% branch coverage guarantees 100% decision coverage.
- iv. 100% decision coverage guarantees 100% branch coverage.
- v. 100% statement coverage guarantees 100% decision coverage.

- a) ii is True; i, iii, iv & v are False
- b) i & v are True; ii, iii & iv are False
- c) ii & iii are True; i, iv & v are False
- d) ii, iii & iv are True; i & v are False

**Q14 Functional system testing is:**

- a) testing that the system functions with other systems
- b) testing that the components that comprise the system function together
- c) testing the end to end functionality of the system as a whole
- d) testing the system performs functions within specified response times

**Q15 Incidents would not be raised against:**

- a) requirements
- b) documentation
- c) test cases
- d) improvements suggested by users

**Q16 Which of the following items would not come under Configuration Management?**

- a) operating systems
- b) test documentation
- c) live data
- d) user requirement documents

**Q17 Maintenance testing is:**

- a) updating tests when the software has changed
- b) testing a released system that has been changed
- c) testing by users to ensure that the system meets a business need
- d) testing to maintain business advantage

**Q18 What can static analysis NOT find?**

- a) the use of a variable before it has been defined
- b) unreachable ("dead") code
- c) memory leaks
- d) array bound violations

**Q19 Which of the following techniques is NOT a black box technique?**

- a) state transition testing
- b) LCSAJ
- c) syntax testing
- d) boundary value analysis

**Q20 Beta testing is:**

- a) performed by customers at their own site
- b) performed by customers at the software developer's site
- c) performed by an Independent Test Team
- d) performed as early as possible in the lifecycle

**Q21 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

**Q22 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

**Q23 Which of the following statements about component testing is FALSE?**

- a)black box test design techniques all have an associated test measurement technique
- b)white box test design techniques all have an associated test measurement technique
- c)cyclomatic complexity is not a test measurement technique
- d)black box test measurement techniques all have an associated test design technique

**Q24 Which of the following statements is NOT true?**

- a)inspection is the most formal review process
- b)inspections should be led by a trained leader
- c)managers can perform inspections on management documents
- d)inspection is appropriate even when there are no written documents

**Q25 A typical commercial test execution tool would be able to perform all of the following, EXCEPT:**

- a)calculating expected outputs
- b)comparison of expected outcomes with actual outcomes
- c)recording test inputs
- d)reading test values from a data file

**Q26 The difference between re-testing and regression testing is:**

- a)re-testing ensures the original fault has been removed; regression testing looks for unexpected side-effects
- b)re-testing looks for unexpected side-effects; regression testing ensures the original fault has been removed
- c)re-testing is done after faults are fixed; regression testing is done earlier
- d)re-testing is done by developers; regression testing is done by independent testers

**Q27 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

**Q28 What type of review requires formal entry and exit criteria, including metrics:**

- a>walkthrough

- b)inspection
- c)management review
- d)post project review

**Q29 Which of the following uses Impact Analysis most?**

- a)component testing
- b)non-functional system testing
- c)user acceptance testing
- d)maintenance testing

**Q30 What is NOT included in typical costs for an inspection process?**

- a)setting up forms and databases
- b)analysing metrics and improving processes
- c)writing the documents to be inspected
- d)time spent on the document outside the meeting

**Q31 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

**Q32 Which expression best matches the following characteristics of the review processes:**

- 1.led by the author
- 2.undocumented
- 3.no management participation
- 4.led by a moderator or leader
- 5.uses entry and exit criteria

- s)inspection
- t)peer review
- u)informal review
- v)walkthrough

- a)s = 4 and 5, t = 3, u = 2, v = 1
- b)s = 4, t = 3, u = 2 and 5, v = 1
- c)s = 1 and 5, t = 3, u = 2, v = 4
- d)s = 4 and 5, t = 1, u = 2, v = 3

**Q33 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

**Q34 Which statement about expected outcomes is FALSE?**

- a)expected outcomes are defined by the software's behaviour
- b)expected outcomes are derived from a specification, not from the code
- c)expected outcomes should be predicted before a test is run
- d)expected outcomes may include timing constraints such as response times

**Q35 The standard that gives definitions of testing terms is:**

- a)ISO/IEC 12207

- b)BS 7925-1
- c)ANSI/IEEE 829
- d)ANSI/IEEE 729

**Q36 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

**Q37 Which of the following is NOT included in the Test Plan document of the Test Documentation Standard?**

- a)what is not to be tested
- b)test environment properties
- c)quality plans
- d)schedules and deadlines

**Q38 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

**Q39 Which of the following is not part of performance testing?**

- a)measuring response times
- b)recovery testing
- c)simulating many users
- d)generating many transactions

**Q40 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

## Answers

- 1 » C
- 2 » C
- 3 » D
- 4 » D
- 5 » C
- 6 » A
- 7 » B
- 8 » A
- 9 » C
- 10 » D
- 11 » B
- 12 » B
- 13 » D
- 14 » C
- 15 » D
- 16 » C
- 17 » B
- 18 » C
- 19 » B
- 20 » A
- 21 » A
- 22 » D
- 23 » A
- 24 » D
- 25 » A
- 26 » A
- 27 » C
- 28 » B
- 29 » D
- 30 » C
- 31 » B
- 32 » A
- 33 » D
- 34 » A
- 35 » B
- 36 » B
- 37 » C
- 38 » C
- 39 » B
- 40 » A