

Exam Questions ISEB-SWT2

ISTQB-ISEB Certified Tester Foundation Level

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NEW QUESTION 1

- (Exam Topic 1)

Consider the typical objectives of testing. Which of the following metrics can be used to measure the effectiveness of the testing process in achieving one of those objectives? 1 credit

- A. Average number of days between defect discovery and resolution
- B. Percentage of requirements covered
- C. Lines of code written per developer per day
- D. Percentage of test effort spent on regression testing

Answer: B

NEW QUESTION 2

- (Exam Topic 2)

What is the main reason why reviews are especially beneficial in the above-mentioned scenario? 2 credits

- A. They ensure a common understanding of the product.
- B. They find defects early.
- C. They enhance project communication.
- D. They can be performed without exercising the code.

Answer: D

NEW QUESTION 3

- (Exam Topic 3)

Which of the following would you least expect to form part of the analysis of initial tool costs? 1 credit

- A. Integration with other tools
- B. Learning time required to use the new tool
- C. Tool portability
- D. Evaluation of suitable tools

Answer: C

NEW QUESTION 4

- (Exam Topic 4)

Which of the following would be the most significant input to estimating the time to carry out the specified testing tasks? 3 credits

- A. The skills and experience of developers to correct the failures.
- B. The standards used for the requirements specification.
- C. The metrics recorded from testing the capture-replay tool.
- D. The number of testers in the company and their grade.

Answer: C

NEW QUESTION 5

- (Exam Topic 5)

Which of the following is a project risk mitigation step you might take as test manager? 1 credit

- A. Testing for performance problems
- B. Hiring a contractor after a test analyst leaves the company
- C. Arranging a back-up test environment in case the existing one fails during testing
- D. Performing a project retrospective meeting using the test results after each increment

Answer: C

NEW QUESTION 6

- (Exam Topic 8)

Based on the information given in the scenario, identify how the team could be improved most effectively? 2 credits

- A. By providing training in the payroll domain
- B. By providing a workshop on test design techniques
- C. By providing specific training on the systems being tested
- D. By providing training on reviewing requirements

Answer: B

NEW QUESTION 7

- (Exam Topic 11)

You have investigated different possibilities and selected four of them to present to IT management. Which of the proposals will you most likely give your highest recommendations? 3 credits

- A. Insourcing of test automation based on an offer from a local company ABC that has people who are specialists in system level capture-replay automation tools and they also do regular training courses in test automation methods and tool
- B. They can then work closely with Vicki.

- C. Outsourcing of test automation based on an offer from an Asian company, AsiaAutoTest, which has people who are specialists in system level capture-replay automation tool
- D. They also offer training and besides they offer to run and maintain the regression tests in the future.
- E. Internal offer from the development department of XYZ to create the regression package using CppUnit as test automation tool
- F. One of the development groups have very good experiences in automating unit tests, and they are willing to do training as well.
- G. Solution from a tool vendor offering to educate two test team members in the use of their easy-to-use test automation capture replay tool over the first 3 months and based on that build the regression test suite
- H. In addition to Vicki, Steve is the only one that has time available to be educated.

Answer: A

NEW QUESTION 8

- (Exam Topic 12)

In general, why is it NOT a good idea to estimate the testing effort based only on a percentage of development effort? Identify THREE valid reasons. 1 credit

- A. The quality of the development estimate may be poor.
- B. In general bottom-up estimation is always better than top-down estimation.
- C. The percentage based technique only applies to the V life cycle model.
- D. Using the same percentage every time does not address the level of risk of the application to be tested.
- E. The maturity of the organization, e.
- F. the quality of the test basis, quality of development testing, configuration management, availability of test tools, also influence the effort needed for testing.
- G. It builds on large set of historical data
- H. The result is almost always a too low estimate for the required test effort

Answer: ADE

NEW QUESTION 9

- (Exam Topic 14)

During test process improvement it is recommended to use standards where possible. Standards originate from various sources and they cover different subjects in relation to testing. Pick TWO sources of software standards, useful to software testing from the ones mentioned below. 1 credit

- A. ISO 9126-1 'Software engineering- Product quality Part 1:Quality model' is an international standard, that provides a basis on which to define quality assurance solutions.
- B. ISA 4126-1 'Software engineering- Product quality Part 1:Quality model' is an international standard, that provides a basis on which to define quality assurance solutions.
- C. BS-7925-2 'Software testing'
- D. Software component testing is a national standard used internationally
- E. It covers a number of testing techniques that may be useful both on component testing level and on system testing level.
- F. SY-395-01 'Standard for East Coast Hospital software' is a regional standard adapted from a national one
- G. Besides hospital software, this standard ought to be used also by other types of software system in the region.
- H. IEEE 829 'standard for software test documentation' is an international standard to be followed mandatorily by all testing organizations regardless of lifecycle models.

Answer: AC

NEW QUESTION 10

- (Exam Topic 15)

Which THREE activities would be valid steps during the development of the test strategy? 2 credits (2 out of 3 correct 1 credit)

- A. Identify test staff members that will be involved in the system test
- B. Define test career paths
- C. Understand the software development life cycle used by the software house
- D. Assess the testing that needs to be done to minimize the risks
- E. Issue the test strategy document for review
- F. Define a master test plan template
- G. Perform a project risk analysis

Answer: CDE

NEW QUESTION 10

- (Exam Topic 16)

The development manager is managing the review of the responses received from bidders, and has asked the in-house test manager to provide a review checklist for the test management aspects of the responses. Which of the following checkpoints would be appropriate? 2 credits

- A. The bidder's test policy should enforce that incident management fully conforms to IEEE 1044.
- B. The bidder's project strategy shows that the data content of all the test environments conforms to EU standards.
- C. The bidder's test plan shows that the application will be delivered for acceptance in six months time.
- D. The bidder's project test plan depicts a phased implementation with later delivery dates to be confirmed and states that test deliverables will be developed using IEEE 829 as a guide.

Answer: D

NEW QUESTION 13

- (Exam Topic 18)

As a result of the RAD based development approach, the test manager has decided to change the risk mitigation approach. Which test technique might be most appropriate to use? 2 credits

- A. Decision Table Testing

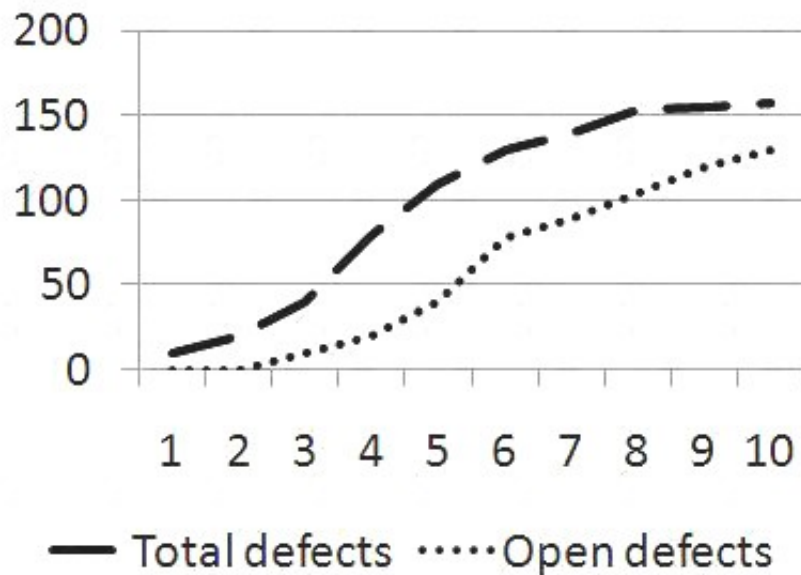
- B. Boundary Value Analysis
- C. Error Guessing
- D. Exploratory Testing

Answer: D

NEW QUESTION 14

- (Exam Topic 20)

Given is the following defect removal chart reported at the end of system testing - showing total defects detected and closed defects (fixed and successfully retested). A number of open defects are classified as critical. All tests have been executed.



Based on the chart above, what is the most appropriate next test phase? 1 credit

- A. Acceptance testing to verify the business process
- B. Acceptance testing to verify operational requirements
- C. Requirements testing as part of testing regulatory compliance
- D. Another system test cycle to verify defect resolution

Answer: D

NEW QUESTION 19

- (Exam Topic 20)

Continuing with the Scenario described in the previous question, which of the following topics would you need to address in detail in the master test plan? 3 credits

- A. An approach to regression testing
- B. A list of boundary values for “advance amount”
- C. A description of dependencies between test cases
- D. A logical collection of test cases

Answer: A

NEW QUESTION 22

- (Exam Topic 21)

The following statements relate to activities that are part of the fundamental test process.

- A. Evaluating the testability of requirements.i
- B. Repeating testing activities after changes.ii
- C. Designing the test environment set-up.i
- D. Developing and prioritizing test cases.
- E. Verifying the environment is set up correctly.Which statement below is TRUE?
- F. (i) and (ii) are part of analysis and design, (iii), (iv) and (v) are part of test implementation and execution.
- G. (i) and (iii) are part of analysis and design, (ii), (iv) and (v) are part of test implementation and execution.
- H. (i) and (v) are part of analysis and design, (ii), (iii) and (iv) are part of test implementation and execution.
- I. (i) and (iv) are part of analysis and design, (ii), (iii) and (v) are part of test implementation and execution.

Answer: B

Explanation:

All other answers contain an activity identified as analysis and design that is part of implementation and test execution.

NEW QUESTION 24

- (Exam Topic 21)

Which statement is most true?

- A. Different testing is needed depending upon the application.
- B. All software is tested in the same way.
- C. A technique that finds defects will always find defects.
- D. A technique that has found no defects is not useful.

Answer: A

Explanation:

This is a restatement of the testing principle 'Testing is context dependent'

NEW QUESTION 28

- (Exam Topic 21)

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

Answer: B

NEW QUESTION 29

- (Exam Topic 21)

When is testing complete?

- A. When time and budget are exhausted.
- B. When there is enough information for sponsors to make an informed decision about release.
- C. When there are no remaining high priority defects outstanding.
- D. When every data combination has been exercised successfully.

Answer: B

Explanation:

Sometimes time/money does signify the end of testing, but it is really complete when everything that was set out in advance has been achieved.

NEW QUESTION 32

- (Exam Topic 21)

What test roles (or parts in the testing process) is a developer most likely to perform?

- (i) Executing component integration tests.
- (ii) Static analysis.
- (iii) Setting up the test environment.
- (iv) Deciding how much testing should be automated.

- A. (i) and (ii)
- B. (i) and (iv)
- C. (ii) and (iii)
- D. (iii) and (iv)

Answer: A

Explanation:

(i) Executing component integration tests is usually done by developers. Developers are usually responsible for unit and component integration testing.

Independent testing usually follows at system and acceptance test levels.

(ii) Static analysis is usually done by developers because: it requires an understanding of the code and therefore the person doing this needs skills in the programming language; and it can be done as soon as the code is written. Therefore it is quick and effective for the developer to do it. The risk of a lack of test independence can be mitigated by performing independent system and acceptance testing.

(iii) Setting up the test environment is an activity typically performed by a tester. It may require support from developers and staff from other departments and on some occasions environments could be set up by developers. However, it is a task that could be done by a tester rather than a developer.

(iv) Deciding how much testing should be automated is typically a decision made by the test leader, who will consult other staff in the decision-making process. Developers may be involved and their skills may be required to automate some tests. However, the decision on how much to automate should not be made by developers.

NEW QUESTION 33

- (Exam Topic 21)

Statement Coverage will not check for the following:

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

Answer: A

NEW QUESTION 37

- (Exam Topic 21)

Hand over of Testware is a part of which Phase:

- A. Test Analysis and Design
- B. Test Planning and control
- C. Test Closure Activities
- D. Evaluating exit criteria and reporting

Answer: C

NEW QUESTION 40

- (Exam Topic 21)

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

Answer: C

NEW QUESTION 42

- (Exam Topic 21)

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

- A. White box
- B. Glass box
- C. Structural
- D. Functional

Answer: D

NEW QUESTION 46

- (Exam Topic 21)

When a defect is detected and fixed then the software should be retested to confirm that the original defect has been successfully removed. This is called:

- A. Regression testing
- B. Maintenance testing
- C. Confirmation testing
- D. None of the above

Answer: C

NEW QUESTION 48

- (Exam Topic 21)

Which of the following are most likely to be used when developing a test strategy or test approach?

(i) Failure-based approach (ii) Test specification approach
(iii) Model-based approach (iv) Finance-based approach

- A. (iii) and (ii)
- B. (i) and (iv)
- C. (ii) and (i)
- D. (i) and (iii)

Answer: C

NEW QUESTION 53

- (Exam Topic 21)

Which of the following is not a major task of Exit criteria?

- A. Checking test logs against the exit criteria specified in test planning.
- B. Logging the outcome of test execution.
- C. Assessing if more tests are needed.
- D. Writing a test summary report for stakeholders.

Answer: B

NEW QUESTION 58

- (Exam Topic 21)

Designing the test environment set-up and identifying any required infrastructure and tools are a part of which phase:

- A. Test Implementation and execution
- B. Test Analysis and Design
- C. Evaluating the Exit Criteria and reporting
- D. Test Closure Activities

Answer: B

NEW QUESTION 60

- (Exam Topic 21)

The cost of fixing a fault:

- A. Is not important
- B. Increases as we move the product towards live use
- C. Decreases as we move the product towards live use
- D. Is more expensive if found in requirements than functional design
- E. Can never be determined

Answer: B

NEW QUESTION 61

- (Exam Topic 21)

Which of the following statements are correct for walkthroughs?

- (i) Often led by the author.
- (ii) Documented and defined results.
- (iii) All participants have defined roles.
- (iv) Used to aid learning.
- (v) Main purpose is to find defects.

- A. (i) and (v) are correct.
- B. (ii) and (iii) are correct.
- C. (i) and (iv) are correct.
- D. (iii) and (iv) are correct.

Answer: C

NEW QUESTION 64

- (Exam Topic 21)

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

Answer: D

NEW QUESTION 68

- (Exam Topic 21)

How can test execution tools be of most benefit during exploratory testing?

- A. They can record user actions so that defects are easier to recreate.
- B. They can be used to perform the regression aspects of exploratory testing.
- C. They can help to mitigate the risk of low test coverage.
- D. They can use data-driven tests to increase the amount of exploratory testing performed.

Answer: A

Explanation:

Exploratory testing is used when it is unclear what the system is supposed to do. Therefore test execution tools are of little use because expected results cannot be predicted.

However, the record feature of a test execution tool can be used to log the actions performed so that defects can be recreated (option (A)) and rectified more easily.

NEW QUESTION 72

- (Exam Topic 21)

Which of the following are the typical defects found by static analysis tools?

- * a. Variables that are never used.
- * b. Security vulnerabilities.
- * c. Poor performance.
- * d. Unreachable code.
- * e. Business processes not followed.

- A. b, c and d are true; a and e are false
- B. a is true; b, c, d and e are false
- C. c, d and e are true; a and b are false
- D. a, b and d are true; c and e are false

Answer: D

NEW QUESTION 73

- (Exam Topic 21)

Code Coverage is used as a measure of what?

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

Answer: C

NEW QUESTION 76

- (Exam Topic 21)

Complete statement and branch coverage means..?

- A. That you have tested every statement in the program
- B. That you have tested every statement and every branch in the program
- C. That you have tested every IF statement in the program
- D. That you have tested every combination of values of IF statements in the program

Answer: B

NEW QUESTION 78

- (Exam Topic 21)

When assembling a test team to work on an enhancement to an existing system, which of the following has the highest level of test independence?

- A. A business analyst who wrote the original requirements for the system.
- B. A permanent programmer who reviewed some of the new code, but has not written any of it.
- C. A permanent tester who found most defects in the original system.
- D. A contract tester who has never worked for the organization before.

Answer: D

Explanation:

In this scenario, the contract tester who has never worked for the organization before has the highest level of test independence. The three others are less independent as they are likely to make assumptions based on their previous knowledge of the requirements, code and general functionality of the original system. Note that independence does not necessarily equate to most useful. In practice most test or project managers would recruit a permanent tester who has worked on the original system in preference to a contract tester with no knowledge of the system. However, when assembling a team it would be useful to have staff with varying levels of test independence and system knowledge.

NEW QUESTION 82

- (Exam Topic 21)

Which of the following is in the correct order (typically)?

- A. Unit testing, system testing, acceptance testing, maintenance testing.
- B. System testing, unit testing, acceptance testing, maintenance testing.
- C. Acceptance testing, system testing, maintenance testing, unit testing.
- D. Unit testing, maintenance testing, system testing, acceptance testing.

Answer: A

NEW QUESTION 86

- (Exam Topic 21)

Which statement below BEST describes non-functional testing?

- A. The process of testing an integrated system to verify that it meets specified requirements.
- B. The process of testing to determine the compliance of a system to coding standards.
- C. Testing without reference to the internal structure of a system.
- D. Testing system attributes, such as usability, reliability or maintainability.

Answer: A

NEW QUESTION 90

- (Exam Topic 21)

“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

Answer: C

NEW QUESTION 95

- (Exam Topic 21)

Which one of the following roles is typically used in a review?

- A. Champion.
- B. Author.
- C. Project sponsor.
- D. Custodian.

Answer: B

Explanation:

The Author is the only role that is typically used in a review.

A Champion might sponsor the review process but is not a defined role within an actual review; a Project Sponsor, if technically competent, might be asked to play a defined role within the review process, but whilst using that role they will not be a Project Sponsor; finally, a Custodian might ensure the results are stored safely but would not be involved in the actual review itself.

NEW QUESTION 96

- (Exam Topic 21)

Which option is part of the 'implementation and execution' area of the fundamental test process?

- A. Developing the tests.
- B. Comparing actual and expected results.
- C. Writing a test summary.
- D. Analyzing lessons learnt for future releases.

Answer: B

Explanation:

- * A. is part of 'Analysis and design'.
- * C. is part of 'Evaluating exit criteria and reporting'.
- * D. is part of 'Test closure activities'.

NEW QUESTION 99

- (Exam Topic 21)

For which of the following would maintenance testing be used?

- A. Correction of defects during the development phase.
- B. Planned enhancements to an existing operational system.
- C. Complaints about system quality during user acceptance testing.
- D. Integrating functions during the development of a new system.

Answer: B

NEW QUESTION 101

- (Exam Topic 21)

Security falls under..?

- A. compliance testing
- B. disaster testing
- C. verifying compliance to rules
- D. functional testing
- E. ease of operations

Answer: A

NEW QUESTION 106

- (Exam Topic 21)

Which of the following are examples of iterative development models?

- (i) V-model
- (ii) Rapid Application Development model
- (iii) Waterfall model
- (iv) Agile development model

- A. (i) and (ii)
- B. (ii) and (iii)
- C. (ii) and (iv)
- D. (iii) and (iv)

Answer: C

Explanation:

The other two models are sequential models.

NEW QUESTION 107

- (Exam Topic 21)

Pick the best definition of quality:

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

Answer: C

NEW QUESTION 108

- (Exam Topic 21)

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

Answer: B

NEW QUESTION 110

- (Exam Topic 21)

Test Implementation and execution has which of the following major tasks?

- A. Developing and prioritizing test cases, creating test data, writing test procedures and optionally preparing the test harnesses and writing automated test scripts.i
- B. Creating the test suite from the test cases for efficient test execution.ii
- C. Verifying that the test environment has been set up correctly.i
- D. Determining the exit criteria.
- E. i, ii, iii are true and iv is false
- F. i, iv are true and ii is false
- G. i, ii are true and iii, iv are false
- H. ii, iii, iv are true and i is false

Answer: A

NEW QUESTION 112

- (Exam Topic 21)

Which of the following has the typical formal review activities in the correct sequence?

- A. Kick-off, review meeting, planning, follow-up.
- B. Kick-off, planning, review meeting, re-work.
- C. Planning, kick-off, individual preparation, review meeting.
- D. Planning, individual preparation, follow-up, re-work.

Answer: C

Explanation:

The correct sequence is: planning, kick-off, individual preparation, review meeting, re-work, follow-up. All of the other options have either the activities in the wrong order or activities missing from the strict flow.

NEW QUESTION 115

- (Exam Topic 21)

Which is not a major task of test implementation and execution?

- A. Develop and prioritizing test cases, creating test data, writing test procedures and optionally, preparing test harness and writing automated test scripts.
- B. Logging the outcome of test execution and recording the identities and versions of the software under test, test tools and test ware.
- C. Checking test logs against the exit criteria specified in test planning.
- D. Verifying that the test environment has been set up correctly.

Answer: B

NEW QUESTION 118

- (Exam Topic 22)

Testers are often seen as the bearer of unwanted news regarding defects. What are effective ways to improve the communication and relationship between testers and others?

- * a) Communicate factual information in a constructive way.
- * b) Try to understand how the other person feels and why they react the way they do.
- * c) Always outsource testing activities.
- * d) Never record information that could be used to apportion blame to an individual or team.

- A. a and b
- B. a, b and c
- C. a, b and d
- D. a and c

Answer: A

NEW QUESTION 122

- (Exam Topic 22)

Equivalence Partitioning is best defined as:

- A. An analysis technique that divides inputs into groups that are expected to exhibit similar behaviors.
- B. Applying to time-related data classes only.
- C. A form of white-box testing.
- D. A method to reduce test coverage.

Answer: A

NEW QUESTION 124

- (Exam Topic 22)

A system calculates the amount of customs duty to be paid:

- _ No duty is paid on goods value up to, and including, \$2,000.
- _ The next \$8,000 is taxed at 10%.
- _ The next \$20,000 after that is taxed at 12%.
- _ Any further amount after that is taxed at 17%.

To the nearest \$, which of these groups of numbers fall into three DIFFERENT equivalence classes?

- A. A. -\$20,000 \$20,001 \$30,001 B. \$2,000 \$2,001 \$10,000 C. \$2,000 \$8,000 \$20,000

B. \$1,500 \$2,000 \$10,000

Answer: C

NEW QUESTION 129

- (Exam Topic 22)

What can testing demonstrate?

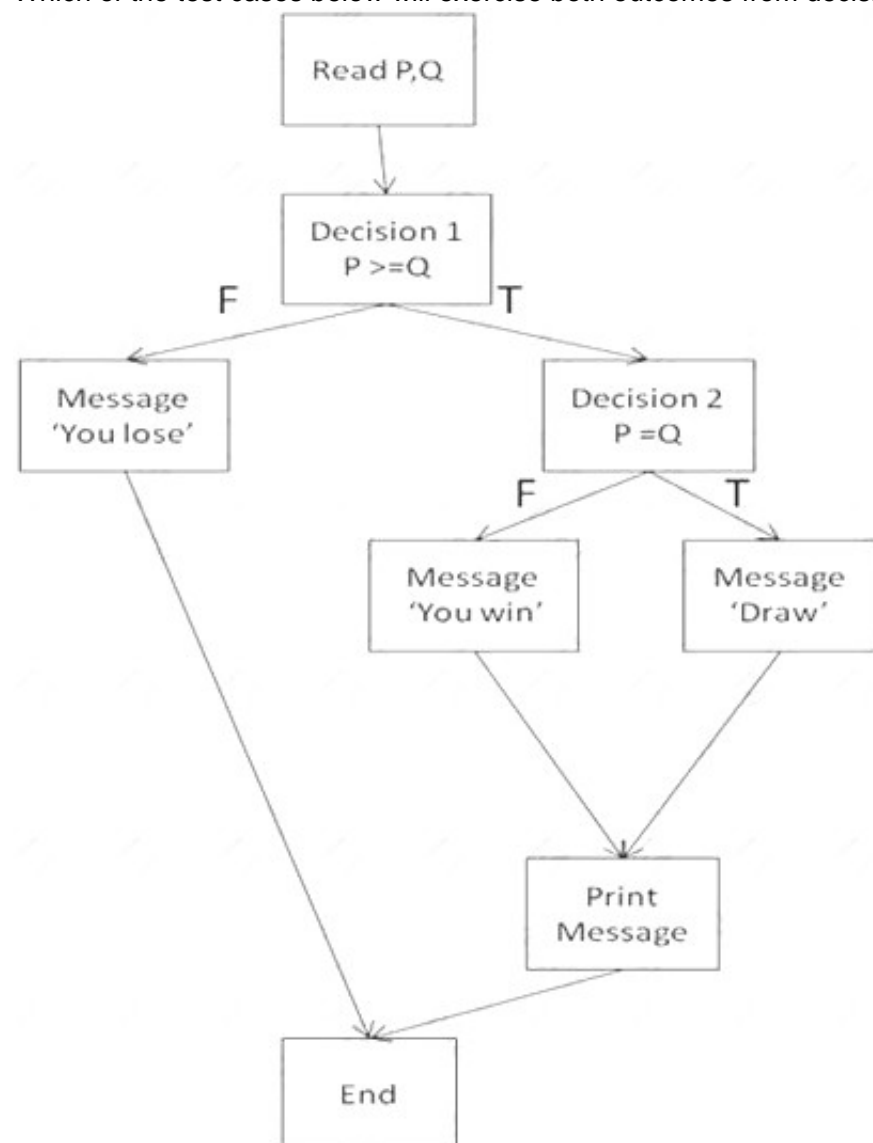
- A. Testing can demonstrate that there are no defects
- B. Testing can demonstrate that there are defects
- C. Testing can demonstrate that the software is correct
- D. Testing can demonstrate that there are no hidden defects in the software

Answer: B

NEW QUESTION 131

- (Exam Topic 22)

Which of the test cases below will exercise both outcomes from decision 2? [K3] Refer to the exhibit



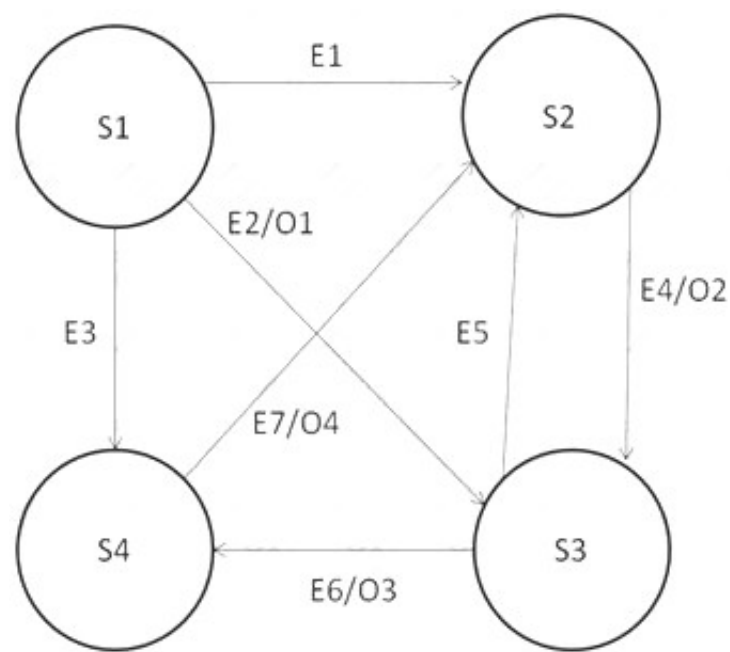
- A. P = 24, Q = 20, P=24, Q=25
- B. P = 36, Q = 36, P=37, Q=35
- C. P = 42, Q = 43, P=42, Q=42
- D. P = 37, Q = 36, P=35, Q=36

Answer: B

NEW QUESTION 133

- (Exam Topic 22)

A test case starts at S1 and triggers 4 events in sequence: E1, E4, E5, E7. What will be the finishing state and the output(s) from the test case? [K3]
 Refer to the exhibit



- A. S2 and O4
- B. S4 and O2
- C. S4 and O4
- D. S2 and O2

Answer: D

NEW QUESTION 136

- (Exam Topic 22)

Which of the following correctly states a limitation in the use of static analysis tools? [K1]

- A. Static analysis tools can be applied to new code but cannot be applied to existing code
- B. Static analysis tools can be used to enforce coding standards
- C. Static analysis tools always generate large numbers of warning messages when applied to new code, even if the code meets coding standards
- D. Static analysis tools do not generate warning messages when applied to existing code

Answer: B

NEW QUESTION 139

- (Exam Topic 22)

What is static analysis?

- A. The decision between using white or black box test techniques.
- B. Executing software to validate the most common path through the code.
- C. A technique to find defects in software source code and software models, performed without executing code.
- D. It is a testing technique used during system testing.

Answer: C

NEW QUESTION 142

- (Exam Topic 22)

Which of the following statements about use-case testing are most accurate? (i) In a use-case diagram an actor represents a type of user.

(ii) Use-cases are the most common test basis for unit testing.

(iii) A use-case describes interactions between actors.

(iv) An actor is always a human user that interacts with the system. (v) Test cases can be based on use-case scenarios.

(vi) Use-case testing will often identify gaps not found by testing individual components.

- A. ii, iii, iv, v
- B. i, iii, v, vi
- C. i, ii, iv, v
- D. iii, iv, v, vi

Answer: B

NEW QUESTION 145

- (Exam Topic 22)

A client-server system for a web development must support a minimum of 200 enquiries per hour. In peak times, it must be available 24 hours x 7 days due to the critical nature of the application, and must have a response time lower than 20 seconds during peak loads.

Which of the following set of test types would be most appropriate to verify the non-functional requirements expressed in this statement?

- A. Performance, Usability, Regression.
- B. System, Load, Fail-over.
- C. Performance, Load, Stress.
- D. Load, Volume and Component.

Answer: C

NEW QUESTION 148

- (Exam Topic 22)

Which of the following are 'Exit Criteria?'

- A. Acceptance criteria, completion criteria, pass/fail criteria.
- B. Coverage of code, schedule, estimates of defect density.
- C. The last executable statement within a component.
- D. Cost overruns.

Answer: B

NEW QUESTION 153

- (Exam Topic 22)

Which of the following BEST describes the relationship between test planning and test execution? [K2]

- A. Test planning ensures the level of detail in test procedures is appropriate for test execution
- B. Test planning schedules test execution but does not assign resources
- C. Test planning defines the overall approach to testing but does not schedule specific activities such as test execution
- D. Test planning identifies test objectives related to scope and risk but does not define the level of detail for test procedures used in test execution

Answer: A

NEW QUESTION 154

- (Exam Topic 22)

Functional and structural tests are alternative test types that may be used separately or together at which test level? [K1]

- A. At the component test level only
- B. At all test levels
- C. At integration testing and system testing levels only
- D. At all levels from integration testing to acceptance testing

Answer: B

NEW QUESTION 155

- (Exam Topic 22)

Which statement correctly describes debugging? [K2]

- A. Testers identify defects, developers locate and correct defects, testers confirm the correction has cleared the original defect
- B. Developers identify defects, testers locate defects, developers correct and confirm the correction has cleared the original defect
- C. Testers identify and locate defects, developers correct defects and confirm the correction has cleared the original defect
- D. Developers identify, locate and correct defects, testers confirm the correction has cleared the original defect

Answer: A

NEW QUESTION 158

- (Exam Topic 22)

"Experience based" test design techniques, typically...

- A. Use decision tables to generate the Boolean test conditions to be executed.
- B. Identify the structure of the system or software at the component, integration or system level.
- C. Use the skill, intuition and experience of the tester to derive the test cases, using error guessing and exploratory testing.
- D. Establish traceability from test conditions back to the specifications and requirements.

Answer: C

NEW QUESTION 161

- (Exam Topic 22)

It is recommended to perform exhaustive tests for covering all combinations of inputs and preconditions.

- A. Yes, it's strongly recommended.
- B. No, risk analysis and priorities should be used to focus testing efforts
- C. Yes, and it's also necessary to include all the exit combinations
- D. Only the expert testers can make exhaustive tests.

Answer: B

NEW QUESTION 164

- (Exam Topic 22)

The four test levels defined for a common V-model testing approach are:

- A. Unit, integration, system and maintenance.
- B. Functional, glass box, incremental and maintenance.
- C. Component, integration, system and acceptance.
- D. Unit, component, functional and alpha/beta.

Answer: C

NEW QUESTION 169

- (Exam Topic 23)

Which of the following options explain why it is often beneficial to have an independent test function in an organisation?

- A. To improve defect finding during reviews and testing
- B. To ensure that developers adhere to coding standards
- C. To limit communication between developers and testers
- D. To provide better metrics for the stakeholders

Answer: D

NEW QUESTION 173

- (Exam Topic 23)

Which of the following is NOT a valid objective of testing?

- A. Preventing defects from being introduced into the code
- B. Investigating and fixing defects in the software under test
- C. Gaining confidence that the system is fit-for-purpose
- D. Providing information for stakeholders' decision making

Answer: D

NEW QUESTION 176

- (Exam Topic 23)

The following Test Cases have been created for a simple web-based airline booking system. Test Case 1: Search for an item Available Flights

Test Case 2: View selected item in My Flights

Test Case 3: Login to the system: Login is accepted

Test Case 4: Select an available flight: item added to My Flights Test Case 5: Print confirmation receipt, then exit

Test Case 6: In My Flights, confirm details and book flight

Which of the following is the correct logical order for the test cases?

- A. 6, 3, 1, 4, 2, 5
- B. 3, 4, 1, 2, 5, 6
- C. 3, 2, 1, 4, 6, 5
- D. 3, 1, 4, 2, 6, 5

Answer: B

NEW QUESTION 179

- (Exam Topic 23)

A live defect has been found where a code component fails to release memory after it has finished using it. Which of the following tools would have been the MOST effective at detecting this defect prior to live implementation?

- A. Dynamic analysis tool
- B. Monitoring tool
- C. Configuration management tool
- D. Coverage measurement tool

Answer: A

NEW QUESTION 183

- (Exam Topic 23)

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6
Conditions:						
Car Driver	No	Yes	Yes	Yes	Yes	No
Motorcycle Driver	No	No	No	No	No	Yes
Diesel	N/A	Yes	Yes	No	No	N/A
Petrol	N/A	No	No	Yes	Yes	N/A
Engine < 1600cc	N/A	Yes	No	Yes	No	N/A
Engine > 1600cc	N/A	No	Yes	No	Yes	N/A
Actions:						
Can claim expenses	No	Yes	Yes	Yes	Yes	Yes
Expenses claim band A	N/A	Yes	No	No	No	Yes
Expenses claim band B	N/A	No	Yes	No	No	No
Expenses claim band C	N/A	No	No	Yes	No	No
Expenses claim band D	N/A	No	No	No	Yes	No

The decision table above shows a company's fuel expenses structure. Which of the following Test Cases based on the decision table are Valid? Test Case 1:

An employee who is not a car or motorcycle driver attempts to claim fuel expenses. Expected result: Expense claim not allowed.

Test Case 2:

An employee who drives a 1700cc diesel car attempts to claim fuel expenses. Expected result: Expense claim accepted at band C.

Test Case 3:

An employee who rides a motorcycle attempts to claim fuel expenses. Expected result: Expense claim accepted at band A.

- A. Test Cases 1 and 3 are Valid, Test Case 2 is Invalid.

- B. Test Cases 2 and 3 are Valid, Test Case 1 is Invalid
- C. Test Cases 1, 2 and 3 are all Valid.
- D. Test Cases 2 is Valid, Test Cases 1 and 3 are Invalid

Answer: C

NEW QUESTION 184

- (Exam Topic 23)

Which of the following options describe the causal chain in the correct sequence?

- A. Error, fault, failure
- B. Fault, bug, mistake
- C. Mistake, failure, fault
- D. Failure, bug, error

Answer: A

NEW QUESTION 189

- (Exam Topic 23)

Which of the following would you NOT expect to see on an incident report from test execution?

- A. The version(s) of the software under test
- B. The test execution schedule
- C. Expected results and actual results
- D. Precise steps to reproduce the problem

Answer: D

NEW QUESTION 193

- (Exam Topic 23)

During which stage of the fundamental test process is the testability of requirements evaluated?

- A. Test Implementation and Execution
- B. Test Planning and Control
- C. Evaluating Exit Criteria and Reporting
- D. Test Analysis and Design

Answer: D

NEW QUESTION 198

- (Exam Topic 23)

Which of the following is a Black Box test design technique?

- A. Decision Coverage
- B. Error Guessing
- C. Statement Coverage
- D. Equivalence Partitioning

Answer: D

NEW QUESTION 199

- (Exam Topic 23)

Which of the following would achieve the HIGHEST level of testing independence for a project's test level?

- A. Training developers to design good tests for the test team to execute
- B. Outsourcing test design and execution to a different company
- C. Having the company's independent test team design and execute the tests
- D. Minimising contact between testers and developers during test design to avoid bias

Answer: A

NEW QUESTION 202

- (Exam Topic 23)

Which of the following is a white-box test technique?

- A. Decision table testing
- B. Exploratory testing
- C. Statement testing
- D. Error guessing

Answer: C

NEW QUESTION 204

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