Exam Questions CTFL_Syll2018

ISTQB Certified Tester Foundation Level (Syllabus 2018)

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NEW QUESTION 1
- (Exam Topic 1)
Which of the following is NOT an objective of testing?

A. Finding defects
B. Providing information for decision-making
C. Analyzing and removing the cause of failures
D. Gaining confidence about the level of quality of the software

Answer: B

NEW QUESTION 2
- (Exam Topic 1)
Given the following requirement:

Requirement ID: 2.8
Requirement Description: Additional Entrance Fee
Detailed Description:
An additional fee of $3 is charged during the weekend, but
1) Visitors aged under 7 are not charged.
2) Visitors aged 7 to 13 inclusive get a 20% discount off the additional fee.
3) Visitors aged greater than 65 get a 50% discount off the additional fee.
Age should be an integer of 0 or above.
Weekend means Friday to Sunday inclusive.

Which of the following statements is NOT correct?

A. 7 and 13 are boundary values for the equivalence partition including age 10.
B. Thursday is a valid input boundary value
C. A minimum of 6 valid test cases are derived from boundary value analysis based on input age
D. $3.01 is a valid output boundary value

Answer: A

NEW QUESTION 3
- (Exam Topic 1)
In foundation level syllabus you will find the main basic principles of testing, Which of the following sentences describes one of these basic principles?

A. Complete testing of software is attainable if you have enough resources and test tools
B. For a software system, it is not possible under normal conditions, to test all input and output combinations.
C. A goal of testing is to show that the software is defect free
D. With automated testing you can make statements with more confidence about the quality of a product than with manual testing.

Answer: B

NEW QUESTION 4
- (Exam Topic 1)
Which of the following is an example of black-box dynamic testing?

A. Code inspection
B. Checking memory leaks for a program by executing it
C. Functional Testing
D. Coverage analysis

Answer: C

NEW QUESTION 5
- (Exam Topic 1)
A money order system is designed to calculate the charge for a transfer
- Amounts from 1 to 1999 are charged EUR 10.
- Amounts from 2000 to 5000 are charged EUR 15
- Amounts below EUR 1 or above EUR 5000 are not accepted. Assume that only integer values can occur. Which of these sets of amounts covers all equivalence classes?

A. 0-1999-2000-5000
B. 1-2000-5001-10000
C. 0-100-2000-6000
D. 99-1- 2000- 4999,99

Answer: C

NEW QUESTION 6
- (Exam Topic 1)

Which of the following test types is a part of the V-Model?

A. Black-box testing
B. White-box testing
C. Experience-based testing
D. Component testing

Answer: D

NEW QUESTION 7
- (Exam Topic 1)
Which of the following statements about decision tables are TRUE?

A. Generally, decision tables are generated for low risk test itemsI
B. Test cases derived from decision tables can be used for component tests.II
C. Several test cases can be selected for each column of the decision table.I
D. The conditions in the decision table represent negative tests generally.
E. I, III
F. II, III
G. II, IV
H. I, IV

Answer: C

NEW QUESTION 8
- (Exam Topic 1)
Where and by whom is Beta testing normally performed?

A. By customers or potential customers at their own locations
B. By an independent test team at the developing organization's location
C. At the developing organization's site, but not by the developing team
D. By customers or potential customers at the developing organization's site

Answer: A

NEW QUESTION 9
- (Exam Topic 1)
Which of the following defect types are LEAST likely to be discovered when using static analysis tools?

A. Variables that are never used
B. Coding standard violations
C. Memory leaks
D. Uncalled functions and procedures

Answer: C

NEW QUESTION 10
- (Exam Topic 1)
Out of the following, what is not needed to specify in defect report?

A. How to fix the defect
B. Severity and priority
C. Test environment details
D. How to reproduce the defect

Answer: A

NEW QUESTION 10
- (Exam Topic 1)
When testing a mission critical system a high coverage should be achieved. Which of the following techniques should be implemented as a structural based coverage technique in order to achieve highest coverage?

A. multiple condition coverage
B. decision table
C. use case testing
D. statement coverage

Answer: A

NEW QUESTION 13
- (Exam Topic 1)
Which of the following is NOT a factor on which test estimation is dependent upon?

A. Defect debugging and resolution
B. The outcome of testing of previous test cycle
C. Characteristics of the development process
D. Characteristics of the product

Answer: A

NEW QUESTION 14
- (Exam Topic 1)
Which of the following is correct?

A. Intrusive test tools are tools that do not exhibit the probe-effect
B. Testing tools can be used by both developers and testers
C. Use of testing tools is effective only when done as part of a test automation system
D. Testing tools allow developers do testing Use of such tools changes the role of the test team

Answer: B

NEW QUESTION 15
- (Exam Topic 1)
A software company adopts the V-model as their development life cycle. Which of the following contains roles of a tester in this company?

A. Decide what should be automated, to what degree, and how.
B. Review test plans and set up test environments.
C. Coordinate the test strategy with the project managers
D. Introduce suitable metrics to measure the testing progress

Answer: B

NEW QUESTION 20
- (Exam Topic 1)
Which of the following test techniques is structure-based?

A. Control flow testing
B. Use case testing
C. State transition testing
D. Decision table testing

Answer: D

NEW QUESTION 23
- (Exam Topic 1)
Which of the following statements is true?

A. Incident management tools are used by testers only
B. A configuration management tool has nothing to do with testing
C. Test management tools are used by managers only
D. A requirements management tool may be considered as test support tool

Answer: A

NEW QUESTION 24
- (Exam Topic 1)
Which of the following is NOT a deciding factor in determining the extent of testing required?

A. Budget to do testing
B. A particular tester involved in testing
C. Level of risk of the product or features
D. Time available to do testing

Answer: A

NEW QUESTION 25
- (Exam Topic 2)
When should testers be involved in reviewing a UAT specification? [K1]

A. At the beginning of the project
B. As soon as requirements have been approved
C. As soon as the UAT specification has been drafted
D. At any time before UAT begins

Answer: C

NEW QUESTION 26
- (Exam Topic 2)
Component testing may include:

A. Sociability testing.
B. User acceptance testing.

C. Beta testing.
D. The use of stubs and drivers.

Answer: D

NEW QUESTION 27
- (Exam Topic 2)
What is decision table testing?

A. It's a testing design technique based in the internal software structure.
B. It's a static test design technique.
C. It's a testing design technique to verify decisions.
D. It's a testing design technique based in the system requirements.

Answer: D

NEW QUESTION 29
- (Exam Topic 2)
Which of the following is a consideration when deploying test execution tools? [K1]

A. Data-driven testing cannot be used with test execution tools
B. Recorded manual tests may become unstable in use
C. Keyword-driven testing cannot be used with test execution tools
D. Expected results for tests are not required because the tool generates expected results

Answer: B

NEW QUESTION 32
- (Exam Topic 2)
Which of the main activities of the fundamental test process does the task 'verify the test environment set up is correct' relate to? [K1]

A. Planning and control
B. Analysis and design
C. Implementation and execution
D. Evaluating exit criteria and reporting

Answer: C

NEW QUESTION 35
- (Exam Topic 2)
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 37
- (Exam Topic 2)
Under which of the following circumstances is maintenance testing required? [K1]

A. Migration of software onto a new platform
B. Testing during initial development of a replacement for an existing system
C. Purchase of a new software tool
D. Updating of a regression suite

Answer: A

NEW QUESTION 38
- (Exam Topic 2)
In a system designed to work out the employee tax to be paid:
_ An employee has $4,000 of salary tax free.
_ The next $1,500 is taxed at 10%.
_ The next $28,000 after that is taxed at 22%.
_ Any further amount is taxed at 40%.
Which of these is a valid Boundary Value Analysis test case?

A. $28,000
B. $1,500
C. $33,501
D. $5,000

Answer: C

NEW QUESTION 43
- (Exam Topic 2)
Which type of review has the following main purposes:
discussing, making decisions, evaluating alternatives, finding defects, solving technical problems and checking conformance to specifications, plans, regulations, and standards?

A. Technical Review
B. Inspection
C. Walkthrough
D. Informal review

Answer: A

NEW QUESTION 45
- (Exam Topic 2)
Which from the following list are typically found to enable the review process to be successful? [K2]

A. Each review has clear defined objectives
B. The lower the number of defects, the better the review process
C. The right people for the review objective are involved
D. There is an emphasis on learning and process improvement
E. Management are not involved in the process at all
F. Checklists should not be used, as these slow down the process
G. Defects found are welcomed and expressed objectively
H. a, f and g.
I. b, c and f.
J. a, c and d.
K. d, e and g.

Answer: C

NEW QUESTION 50
- (Exam Topic 2)
Which of the following is a white box testing design characteristic?

A. To be based on specifications
B. To be based on an analysis of the test basis documentation
C. To be based on an analysis of the structure of the component or system
D. To include both functional and non-functional testing

Answer: C

NEW QUESTION 52
- (Exam Topic 2)
What other details should be included in the following incident report when it is first submitted?
Date of Issue: 23/11/05
Severity: P1 Build: Version15.6
Details: Expected field to be limited to 15 chars, able to enter 27

A. Suggested solution, priority and number of defects assigned to this developer.
B. Status of the incident, degree of impact, Test Case Number.
C. History, related defects and expected fix time.
D. Line of code, number of defects found, time of day.

Answer: B

NEW QUESTION 53
- (Exam Topic 2)
Which of the following test design techniques is not a black box technique?

A. Equivalence partitioning
B. State transition testing
C. Boundary value analysis
D. Statement coverage

Answer: D

NEW QUESTION 55
- (Exam Topic 2)
Which of the following factors will MOST affect the testing effort required to test a software product? [K1]

A. The number of staff available to execute tests
B. The level of detail in the test plan
C. The requirements for reliability and security in the product
D. The test estimation method used

Answer: C

NEW QUESTION 56
- (Exam Topic 2)
Which of the following is a role of a formal review? [K1]

A. Adjudicator
B. Moderator
C. Governor
D. Corrector

Answer: B

NEW QUESTION 58
- (Exam Topic 2)
Which of the following best describes the Black-box technique?

A. It uses decision coverage for completeness.
B. It ensures all possible branches in the code are tested.
C. It is based on the internal structure of the system.
D. It can be done without reference to the internal structure of the component or system.

Answer: D

NEW QUESTION 60
- (Exam Topic 2)
Consider the following pseudo code:
1. Begin
2. Input X, Y
3. If X > Y
4. Print (X, 'is greater than', Y)
5. Else
6. Print (Y, is greater than or equal to', X)
7. EndIf
8. End
What is the minimum number of test cases required to guarantee both 100% statement coverage and 100% decision coverage?

A. Statement coverage = 3, Decision coverage = 3
B. Statement coverage = 2, Decision coverage = 2
C. Statement coverage = 1, Decision coverage = 2
D. Statement coverage = 2, Decision coverage = 1

Answer: B

NEW QUESTION 63
- (Exam Topic 2)
Which of the following would be appropriate test objectives for user acceptance testing of the first release of a new software product aimed at a general market and built using Agile methods? [K2]

A. To identify as many defects as possible
B. To maximise code coverage
C. To ensure the product works as expected
D. To assess the overall quality of the product
E. To determine the reliability of the product
F. b and c
G. a and d
H. b and e
I. c and d

Answer: D

NEW QUESTION 66
- (Exam Topic 2)
Test script TransVal 3.1 tests transaction validation via screen TRN 003B. According to the specification (PID ver 1.3 10b iv) the validation screen should not accept future dated transactions. Test script TransVal 3.1 passes. Test script eod 1.4 tests end of day processing and is run after the execution of TransVal 3.1 using data entered during that test
Which of the following is the BEST detail on an incident report? [K3]

A. Titl
B. End of Day failure.. Reproducibl
C. Ye
D. Descriptio
E. Script eod 1.4 fails when the first transaction of the day is a future dated transactio
F. Screen shot of the failure attached.
G. Titl
H. Transaction input screen validation..Reproducibl
I. Ye
J. Descriptio
K. Script eod 1..4 fails . Screen shot of the failure attache
L. Validation of transaction entryon screen TRN-003B should not allow future dated transactions – see PID ver 1.3 para 10b iv.
M. Titl

N. Screen TRN-003B validation of transaction date.. Reproducibl
O. N
P. Descriptio
Q. When a future dated transaction is processed by the end of day process, a failure can occu
R. This does not always happe
S. Screen shot of the failure attached.
T. Titl
. Screen TRN-003B validation of transaction dat
. Reproducibl
. Ye
. Descriptio
. Script eod 1.4 fails when the first transaction of the day is a future dated transactio
. Screen shot of the failure attache
. Validation of transaction entry on screen TRN-003B should not allow future dated transactions– see PID ver 1.3 para 10b iv.

Answer: D

NEW QUESTION 68
- (Exam Topic 2)
A bank is developing a new service that will be delivered via the web. The user interactions are defined as a set of use cases and the service is designed to be available continuously 24/7. In view of the challenging characteristics of the service the test manager has decided that the code should be thoroughly tested at component level.
Which of the following test types will be required during the development? [K2]

A. Functional testing to test security at the system level, load testing at the system level to ensure the system availability is acceptable, regression testing at all levels, structure based testing at the component level only
B. Functional testing to test the use cases at component level, reliability testing to test availability at the integration level, regression testing at the system testing level only, structure based testing at all levels
C. Functional testing of the use cases at system level, load testing at component level to ensure availability is acceptable, regression testing at the system and acceptance levels only, and structure based testing at the integration level only
D. Functional testing to test security at the acceptance level, load testing at the acceptance test level to ensure availability is acceptable, regression testing at the acceptance level only to ensure late changes are made correctly, and structure based testing at the component level

Answer: A

NEW QUESTION 71
- (Exam Topic 2)
Which of the following accurately defines the integration testing test level? [K2]

A. Test basis includes software and system design, test objects include interfaces, and tests concentrate on the interactions between different parts of a system
B. Test basis includes component requirements, test objects include database modules, and tests concentrate on the behaviour of the system as a whole.
C. Test basis includes business processes, test objects include system configuration and configuration data, and tests concentrate on establishing confidence in the system
D. Test basis includes use cases, test objects include user procedures and tests concentrate on a high level model of system behaviour

Answer: A

NEW QUESTION 76
- (Exam Topic 2)
What content would be in an incident report if that incident report was based on the IEEE 829 Standard for
SoftwareTest Documentation?
(i)Identification of configuration items of the software or system. (ii)Software or system lifecycle process in which the incident was observed. (iii)Description of the anomaly to enable reproduction of the incident. (iv)Number of occurrences of the incident.
(v) Classification of the cause of the incident for metrics and for reporting purposes. Number of correct answers: 1

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

Answer: A

NEW QUESTION 80
- (Exam Topic 2)
An iPhone application identifies and counts all purchases of a particular product from a shopping website. The application incorrectly counts purchase attempts by including both failed attempts, and also those where the purchase was terminated by the user before completion. Testing has identified that the problem was located in the 'purchase identification' module, where the first stage in the purchasing process was counted, rather than a successful confirmed purchase.
Which of the following statements correctly identifies what has happened? [K2]

A. The application failed because of a defect in the purchase identification module caused by a programmer mistake or an error in the specification.
B. An error by the programmer led to a mistake in the purchase identification module and this caused a defect in the application
C. A defect in the purchase identification module caused by a mistake in the module specification led to a defect in the overall application
D. A bug in the purchase identification module caused a fault in the application

Answer: A

NEW QUESTION 84
- (Exam Topic 2)

Dynamic Analysis Tools are used to:

A. Determine differences between files or databases.
B. Monitor and report on how a system behaves under a variety of conditions.
C. Find defects, such as memory leaks, while software is executing.
D. Measure the percentage of specific types of code structure that have been exercised.

Answer: C

NEW QUESTION 85
- (Exam Topic 2)
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 90
- (Exam Topic 2)
What is the value of static code analysis?

A. Detection of failures not easily found by other types of testing
B. Early defect detection
C. Detection of suspicious operations caused by deviations from regulations
D. Detect deviations in standards by executing the source code

Answer: B

NEW QUESTION 94
- (Exam Topic 2)
A data driven approach to test automation design is best described as:

A. Using action words to describe the actions to be taken, the test data.
B. Scaling to support large numbers of users.
C. Being based on Equivalence Partitioning testing techniques.
D. Separating out the test data inputs and using a generic script that can read the test data and perform the same test steps with different data.

Answer: D

NEW QUESTION 96
- (Exam Topic 3)
The four test levels used in ISTQB syllabus are:

> Component (unit) testing

> 2 Integration testing

> 3. System testing

> 4 Acceptance testing

An organization wants to do away with integration testing but otherwise follow V-model. Which of the following statements is correct?

A. It is allowed because integration testing is not an important test level and can be dispensed with
B. It is not allowed as organizations can't change the test levels as these are chosen on the basis of theSDLC (software development life cycle) model
C. It is allowed as organizations can decide on which test levels to do depending on the context of the system under test
D. It is not allowed because integration testing is a very important test level and ignoring it means definite poor product quality

Answer: D

NEW QUESTION 100
- (Exam Topic 3)
Which of the following BEST describes a Test Case?

A. A statement about "what to test" in terms of measurable coverage criteria from analysis of the test basis.
B. A set of preconditions, inputs, actions, expected results and postconditions developed based on test conditions.
C. A description of the test objectives to be achieved and the means and the schedule for achieving them.
D. A source to determine expected results to compare with the actual result of the system under test.

Answer: B

NEW QUESTION 104
- (Exam Topic 3)
Consider the following Pseudo code:

```
If (A>B)
   THEN: If (A>C)
      THEN: If (A>D)
         THEN: If (A>E)
            THEN: Print "A is huge"
         End IF
      End IF
   End IF
End IF
```

How many minimum lea cases are required to cover 100% Statement coverage and Decision coverage?

A. 1 for Statemen
B. 5 for Decision
C. 1 for Statemen
D. 2 for Decision
E. 5 for Statemen
F. 1 for Decision
G. 2 for Statement, 5 for Decision

Answer: D

NEW QUESTION 109
- (Exam Topic 3)
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 114
- (Exam Topic 3)
Which of the following activities is appropriate to the test planning stage?

A. Analysing the test basis
B. Assigning resources for the planned activities
C. Designing the test environments
D. Writing a test execution schedule

Answer: B

NEW QUESTION 116
- (Exam Topic 3)
Which of the following activities do NOT belong to test implementation and execution?

A. Checking if the preconditions of test execution have been met
B. Logging of test results
C. Test data generation
D. Prioritizing test conditions

Answer: D

NEW QUESTION 120
- (Exam Topic 3)
Which of the following is NOT a valid use of decision coverage?

A. Checking that all decisions have been exercised in a single program.
B. Checking that all decisions have been exercised in a business process.
C. Checking that all decisions are based on a numeric value.
D. Checking that at least 100% decision coverage has been achieved, as this guarantees 100% statement coverage.

Answer: C

NEW QUESTION 125
- (Exam Topic 3)
Integration testing has following characteristics.

A. It can be done in incremental mannerI
B. It is always done after system testingII

C. It includes functional testsIV It includes non-functional tests
D. I and IV are correct
E. I III and IV are correct
F. TI is correct
G. II and III are correct

Answer: B

NEW QUESTION 129
- (Exam Topic 3)
Which of the following statements is LEAST likely to be true of non-functional testing?

A. It covers the evaluation of the interaction of various specified components.
B. It tests "how'' the system works.
C. It may include testing the ease of modification of systems.
D. It may be performed at unit, integration system and acceptance test levels.

Answer: C

NEW QUESTION 130
- (Exam Topic 3)
At what stage of the Fundamental Test Process do testers write the steps of the test procedures?

A. Test implementation and execution
B. Evaluating exit criteria and reporting
C. Test closure activities
D. Test planning and control

Answer: A

NEW QUESTION 134
- (Exam Topic 3)
Which of the following statements about Use Case Testing is FALSE?

A. Use case generally has a mainstream scenario and may have many alternate or exceptional scenarios.
B. A use case can be defined at the abstract level, detached from the implementation, or at the system level, describing a set of executed functions
C. Use case testing does not find defects caused by interaction of different components
D. Each use case has preconditions which need to be met for the use case to work successfully

Answer: B

NEW QUESTION 137
- (Exam Topic 3) The following condition is given: Integer x, y; IFx>0ANDx< 100
y = y + x; END-IF
Using boundary analysis for x. which test cases are required?

A. -1,0.1,99.100, 101
B. -1,0. 100,101
C. -500,-10,0.1,99.100.101,500
D. 0, 1.99, 100

Answer: B

NEW QUESTION 140
- (Exam Topic 3)
Load testing tool checks for:

A. presence of bugs in user interface
B. the number of testers needed in order to achieve "dead line"
C. correct functional behavior of the system under test
D. time response and resource utilization

Answer: D

NEW QUESTION 145
- (Exam Topic 3)
Which of the following test execution outcomes are likely to increase the overall quality of the software:
I) A test case passes
II) A test case fails, defect gets logged which subsequently gets fixed
III) Some tests are deferred because test environment is not available
IV) A bug is found but there is no corresponding test case

A. I, II and III
B. I and IV
C. I and II
D. I, II and IV

Answer: C

NEW QUESTION 150
- (Exam Topic 3)
Why is it important to select a test technique?

A. Test techniques define the number of regression cycles, which in turn impact the project schedule
B. Selecting the right test technique in a given situation increases the effectiveness of the test process by creating tests with higher chance of finding bugs.
C. The only way to test a software application is by using well proven test techniques.
D. There are usually too many test cases that may be run on a syste
E. Test techniques help reduce the number of tests.

Answer: D

NEW QUESTION 153
- (Exam Topic 3)
Which of the following should be considered when purchasing a test execution tool?

A. The ability of the tool to trace tests to requirements and report coverage level
B. The amount of effort required to achieve positive Return on Investment (ROI)
C. The ability of the tool to track the output and productivity of each individual tester
D. The ability of the tool to run the unit-level tests for the developers

Answer: D

NEW QUESTION 157
- (Exam Topic 3)
Which of the following are benefits of an independent test team, and which are drawbacks?
a) Independent testers can find different defects.
b) Developers may put less emphasis on quality.
c) Independent testers can be seen as the reason for delayed projects.
d) Independent testers can verify assumptions made during the specification of a system.

A. a and b are benefits, c and d are drawbacks.
B. b and c are benefits, a and d are drawbacks.
C. a and d are benefits, b and c are drawbacks.
D. c and d are benefits, a and b are drawbacks.

Answer: C

NEW QUESTION 162
- (Exam Topic 3)
Which of the following are part of ISTQB code of ethics?

A. Certified software testers shall advance the integrity and reputation of the profession consistent with the public interestI
B. Certified software tester shall always sign a NDA (Non Disclosure Agreement) in presence of customer dataII
C. Certified software testers shall maintain integrity and independence in their professional judgmentIV Certified software testers shall act in a manner that is in the best interests of their client and employer, consistent with the public interest
D. I, II, III
E. II, III, IV
F. I, II, V
G. I, III, IV

Answer: C

NEW QUESTION 167
- (Exam Topic 3)
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 170
- (Exam Topic 3)
Which of the following can be a common objective of testing?

A. Gaining confidence about the level of the system's quality
B. Fixing defects to improve the system's quality characteristics
C. Providing information as part of the debugging activity
D. Making sure the system performs as fast and as efficient as needed

Answer: B

NEW QUESTION 174
- (Exam Topic 3)
Which of the following is NOT a valid use of decision coverage?

A. Checking that all decisions have been exercised in a single program
B. Checking that all decisions have been exercised in a business process
C. Checking that all calls from one program module to another have been made correctly
D. Checking that at least 50% of decisions have been exercised by a test case suite

Answer: D

NEW QUESTION 176
- (Exam Topic 3)
Which statement about deriving test cases from a use case is TRUE?

A. Test cases are designed to exercise the defined behaviours.
B. There should only be one test case for each use case.
C. Test cases can only be derived if there is an activity diagram.
D. It is not possible to measure use case test coverage.

Answer: A

NEW QUESTION 179
- (Exam Topic 3)
Which one of the following statements about techniques for estimating test effort is correct?

A. The metrics-based technique finds the most similar former project and uses its original estimate for the current project.
B. The expert-based approach is based on the experience of the owners of the testing tasks or by subject matter experts.
C. The metrics-based technique uses metrics supplied by the current test team based on their subjective feel for effort required.
D. In an expert-based approach, the test lead with the most years in the role is chosen to produce the estimate.

Answer: B

NEW QUESTION 184
- (Exam Topic 3)
When can functional and structural testing BOTH be applied?

A. System and Component test levels only
B. All 'Developement' test levels, i.
C. those before Acceptance testing
D. Component and Component integration test levels only
E. All test levels

Answer: D

NEW QUESTION 189
- (Exam Topic 3)
Can "cost" be regarded as Exit criteria'?

A. No The financial value of product quality cannot be estimated so it is incorrect to use cost as an exit criteria
B. Ye
C. Spending too much money on testing will result in an unprofitable product, and having cost as an exit criteria helps avoid this
D. Yes Going by cost as an exit criteria constrains the testing project which will help achieve the desired quality level defined for the project
E. No The cost of testing cannot be measured effectively, so it is incorrect to use cost as an exit criteria

Answer: C

NEW QUESTION 190
- (Exam Topic 3)
Which of the following tools is most likely to detect defects in functions or methods in source code?

A. unit test framework tool evelopers who are familiar with the system's structure.
B. configuration management tool
C. test design tool
D. monitoring tool

Answer: A

NEW QUESTION 191
- (Exam Topic 3)
Which ONE of the following is the BEST way to take advantage of the different mindsets of testers and developers?

A. Insist on independent testing at all stages in the lifecycle.
B. Have all developers undergo ISTQB training.
C. Keep developers and testers in separate teams.
D. Bring the two mindsets together.

Answer: D

NEW QUESTION 193
- (Exam Topic 3)
Which of the following approaches is/are used in Integration tests?

A. Both functional and structural
B. Usability
C. Functional only
D. Structural only

Answer: A

NEW QUESTION 195
- (Exam Topic 3)
Which of the following statements is true?

A. 100% branch coverage means 100% statement coverage.
B. 100% statement coverage means 100% branch coverage.
C. 100% branch coverage means 100% statement coverage and vice-versa.
D. It is impossible to achieve 100% statement coverage

Answer: C

NEW QUESTION 200
- (Exam Topic 3)
For the code fragment given below, which answer correctly represents minimum tests required for statement and branch coverage respectively?


```
discountRate=1;
fare = 1000;
If ((person=="senior citizen") and (travelmonth==January))
    bonuspoints=100+bonuspoints
if (class == "first")
    discountRate = .5;
fare = fare*discountRate;
```

A. Statement Coverage = 2 Branch Coverage = 4
B. Statement Coverage = 1 Branch Coverage = 3
C. Statement Coverage = 2 Branch Coverage = 2
D. Statement Coverage = 1 Branch Coverage = 2

Answer: D

NEW QUESTION 203
- (Exam Topic 3)
Which type of automation test design is used in the example below?
An automation team designs an automation framework for testing of their web-based applications. Realizing that they need to use different data for different test cycles, they decide not to hard-code any data
in their scripts Instead they read all the data from text files while test execution is in progress.

A. Dynamic test design
B. Data-driven
C. Keyword-driven
D. Data coverage analysis

Answer: D

NEW QUESTION 205
- (Exam Topic 3)
Consider the following pseudo-code

```
If (Walking && Midnight)
    If (Raining)
        Take umbrella and search light
    Else
        Take searchlight
    End IF
Else if (Running && Sunshine)
    IF (Raining)
        Take umbrella
    End IF
Else keep doing what you were doing
End IF
```

How many minimum test cases are required to cover 100% Statement coverage and Decision coverage?

A. 5 for Statement, 5 for Decision
B. 4 for Statement, 5 for Decision
C. 8 for Statement, 6 for Decision
D. 6 for Statement, 8 for Decision

Answer: C

NEW QUESTION 208
- (Exam Topic 3)
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 210
- (Exam Topic 3)
What is Test Design?

A. The overall process of testing a system to verify that it meets specified requirements.
B. The process of selecting test techniques to exercise the functions implemented by the tested system
C. The process of transforming general testing objectives into tangible test conditions and test cases
D. An approach to testing to reduce the level of product risks by focusing on high-risk areas in the product

Answer: C

NEW QUESTION 213
- (Exam Topic 3)
Which of the following statements about static analysis are FALSE?

A. Static analysis can be used instead of dynamic testing.II Static analysis can uncover defects like security vulnerabilities.II
B. Static analysis can be used to check conformance to specifications and standards.I
C. Static analysis typically detects failures prior to component testing.
D. I
E. III
F. IV
G. II
H. II
I. IV

Answer: C

NEW QUESTION 218
- (Exam Topic 3)
What is the ideal number of regression test cycles?

A. As many as time and budget allow
B. 2
C. 1
D. Until the quality requirements are met

Answer: A

NEW QUESTION 223
- (Exam Topic 3)
Which of the following would NOT be a common metric used for monitoring test preparation and execution?

A. Number of Test cases passed and failed
B. Percentage of planned test cases designed
C. Number of test plan review comments
D. Percentage of tasks complete in test environment preparation

Answer: B

NEW QUESTION 225
- (Exam Topic 3)
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 229
- (Exam Topic 3)
Which of the following is a key characteristic of informal reviews?

A. Metrics analysis
B. Kick-off meeting
C. Individual preparation
D. Low cost

Answer: B

NEW QUESTION 232
- (Exam Topic 3)
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 233
- (Exam Topic 3)
Which of the following metrics are useful for monitoring the test progress?

A. The number of features implemented in the code
B. The number of changes done to the product's requirements
C. Percentage of work done on the user's manuals
D. Percentage of work done in test environment preparation

Answer: D

NEW QUESTION 235
- (Exam Topic 3)
Which of the following does NOT represent one of the three triggers for maintenance testing an operational system?

A. Data migration
B. System retirement
C. System modification
D. Introduction of a test management tool

Answer: D

NEW QUESTION 239
- (Exam Topic 3)
Which activity in the fundamental test process includes test script generation?

A. Test closure activities
B. Test analysis and design
C. Test planning and control
D. Test implementation and execution

Answer: C

NEW QUESTION 243
- (Exam Topic 3)
Which of the following would NOT typically be covered in a test summary report?

A. The risks associated with unresolved defects found during testing.
B. Any features of the system that were not tested along with reasons.
C. Whether there is any economic benefit in continuing testing beyond the planned date.
D. An analysis of lessons learned to determine changes for future projects.

Answer: C

NEW QUESTION 246
- (Exam Topic 3)
Which of the following sentences is correct?

A. Functional and Structural tests can be performed at all test levels
B. Functional tests can be performed at Unit and Integration test levels, while Structural tests can be performed at System test level
C. Functional and Structural test levels can be performed for all test types
D. Functional tests can be performed at Integration and System test levels, while Structural tests can be performed at Unit test level

Answer: D

NEW QUESTION 247
- (Exam Topic 3)
Which of the following is a correct statement about informal reviews?

A. The usefulness of an informal review is highly variable and strongly dependent on the reviewers
B. Informal review must be done by the author of the reviewed material, before it is submitted for formal review
C. The moderator of an informal review should not be the author of the reviewed material
D. An informal review has no impact on the quality of the product, just on the level of knowledge of the reviewers while Structural tests can be performed at Unit test level

Answer: D

NEW QUESTION 250
- (Exam Topic 3)
In which development life cycle model is regression testing an increasingly important activity as the project progresses?

A. V-model.
B. Waterfall.
C. Scrum.
D. Progressive.

Answer: C

NEW QUESTION 251
- (Exam Topic 3)
Which of the following is NOT a characteristic of good testing, independent of the development life cycle model?

A. Each test level has objectives specific for the test level
B. Testers are involved in reviewing documents as soon as drafts are available
C. Every development activity is matched by a corresponding testing activity.
D. Testers are involved in reviewing documents as soon the documents are approved.

Answer: D

NEW QUESTION 253
- (Exam Topic 3)
Which of the following statements correctly describes traceability?

A. The capability of the software product to enable modified software to be tested.
B. An approach to integration testing where the component at the top of the component hierarchy is tested first.
C. The degree to which a requirement is stated in terms that permit establishment of test design.
D. The ability to identify related items in documentation, such as requirements v
E. software design

Answer: D

NEW QUESTION 255
- (Exam Topic 3)
Which of the following is an approach that can be used for exploratory testing?

A. Time-boxed test sessions are created, during which a tester uses a test charter containing test objectives to guide the testing.
B. A tester methodically executes tests from a list of possible failures, based on experience, defect and failure data.
C. A tester analyses, designs and implements tests based on external rules and standards.
D. Tests are designed based on the guidance of stakeholders and experts outside the test team.

Answer: D

NEW QUESTION 258
- (Exam Topic 3)
Which of the following statements contradicts the general principles of testing?

A. If new defects are to be found, we should run the same test set more often
B. How testing is done, is based on the situation in a particular project.
C. Testing is better if it starts at the beginning of a project
D. Most defects are found in a small subset of a system's modules

Answer: A

NEW QUESTION 259
- (Exam Topic 3)
An Incident Management tool implements the following defect states Open. Assigned. Solved. Closed. Consider the following defect report:
Id: T000561
Test Object: "Warehouse Management" application Tester name : John Bishop
Date: 10th, April 2010
Test Case MRT5561 Status: OPEN Severity Serious Priority:
Problem : After inputting the Total Quantity item = 450 in the SV034 screen . the system shows an unexpected Error message = 47
Correction: Developer name: Closing date
Which of the following is a valid criticism of this report?

A. The Priority, the Correction description and the Developer name are missing
B. The description is not highlighting the source of the problem
C. The version of the application is missing
D. There is no link to the applicable requirement (traceability)

Answer: D

NEW QUESTION 264
- (Exam Topic 3)
A calculator software is used to calculate the result for 5+6. The user noticed that the result given is 6.
This is an example of:

A. Failure
B. Mistake
C. Fault
D. Error

Answer: A

NEW QUESTION 268
- (Exam Topic 3)
What is integration testing?

A. Looking for faults in larger components or subsystems
B. Another term for testing system integrity
C. Specifying which components to integrate in which order
D. Testing that the interfaces work correctly

Answer: D

NEW QUESTION 271
- (Exam Topic 3)
Testing and Debugging are key activities in the software development lifecycle. Which of the following are DEBUGGING activities?
a) Designing tests to find failures.
b) Locating the cause of failures.
c) Analysing and fixing the defects.
d) Executing tests to show failures.

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

Answer: B

NEW QUESTION 273
- (Exam Topic 3)
For a mandatory input field 'ZIP code" the following rules are given:

1 - The valid ZIP code format is 5 numeric digits
2 - The code has to exist in the pest office's official ZIP code list
Using equivalence classes partitioning, how many test cases are required to test this field?

A. 6
B. 4
C. 8
D. 3

Answer: A

NEW QUESTION 275
- (Exam Topic 3)
Which of the following lists represents the correct sequence of the main activities of the fundamental test process (leaving out the activity of control which should take place in parallel to all the other activities)?

A. Planning, analysis and reporting, design and implementation, execution, test closure activities, evaluating exit criteria.
B. Planning, analysis, design and implementation, execution, logging, test closure activities, evaluating exit criteria.
C. Planning, analysis and design, execution, logging and reporting, regression testing
D. Planning, analysis and design, implementation and execution, evaluation exit criteria and reporting, test closure activities

Answer: D

NEW QUESTION 280
- (Exam Topic 3)
Which of the following apply to System Testing?
a) May satisfy legal requirements.
b) Can use system specifications as a test basis.
c) Often the responsibility of business users.
d) Main goal is to establish confidence.
e) Should focus on the communication between systems.

A. a and c.
B. b and d.
C. a and b.
D. c and e.

Answer: B

NEW QUESTION 284
- (Exam Topic 3)
Which of the following statements about independent testing is WRONG?

A. Independent testing is necessary because developers don't know any testing
B. A certain degree of independence makes the tester more effective at finding defects
C. Independent testing is best suited for the system test level
D. Independent test teams may find other types of defects than developers who are familiar with the system's structure.

Answer: A

NEW QUESTION 285
- (Exam Topic 3)
Which of the following statements is true?

A. Regression testing is a technique for system testing and acceptance testing only.
B. Regression testing can be used in any level of testing, but must be done after white-box testing has been finished.
C. Regression testing is an alternative term for re-testing
D. Regression testing is intended to find side-effects after changes have been applied to the system under test.

Answer: A

NEW QUESTION 290
- (Exam Topic 3)
After a record of poor quality software releases (incorrect menu selection options, new features that do not work, users allowed to change security levels without administrator rights), you have been asked to review the test capability in your company.
You have limited time to do the review before the next project, which type of testing would be MOST appropriate to review first?

A. Functional testing.
B. Non-functional testing.
C. Performance testing.
D. Structural testing.

Answer: D

NEW QUESTION 295
- (Exam Topic 3)
How are statement testing and decision testing techniques similar?

A. Both are specification-based testing techniques
B. Both are experience-based testing techniques
C. Both are structure-based testing techniques
D. Both are black box test design techniques

Answer: D

NEW QUESTION 300
- (Exam Topic 3)
Which statement about use case testing is true?

A. The test cases are designed to be used by real users, not by professional testers.
B. The test cases are designed to find defects in the process flow.
C. The test cases are designed to find defects in the data flow.
D. The test cases are always designed by customers or end users.

Answer: B

NEW QUESTION 301
- (Exam Topic 3)
Which of the following would be a good test technique to use when under severe time pressure?

A. Exploratory testing
B. Structure based testing
C. Specification based testing
D. Use Case testing

Answer: B

NEW QUESTION 304
- (Exam Topic 3)
While reporting a defect, which of the following indicates the level of business importance assigned to the defect?

A. Urgency
B. Priority
C. Difficulty
D. Severity

Answer: B

NEW QUESTION 308
- (Exam Topic 3)
Which of the following lists contains only black-box test techniques?

A. Exploratory testin
B. State transition testing, Control flow testing
C. Decision table testin
D. Use case testing, Control flow testing
E. Decision table testing, Use case testing, State transition testing
F. Use case testing, Statement testing, State transition testing

Answer: B

NEW QUESTION 312
- (Exam Topic 3)
An issue has been found in a production system, 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 during Performance testing?

A. Dynamic analysis tool.
B. Test Execution tool.
C. Configuration management tool.
D. Coverage measurement tool.

Answer: A

NEW QUESTION 313
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