



iSQI

Exam Questions CTFL_Syll2018

ISTQB Certified Tester Foundation Level (Syllabus 2018)

NEW QUESTION 1

- (Exam Topic 1)

Which of the following is a task of the Test Analysis and Design activity of the test process?

- A. Measuring the percentage of prepared test cases with what was actually prepared
- B. Identifying necessary test data to support the test conditions and test cases
- C. Verifying that the test environment has been set up correctly
- D. Checking test logs against the exit criteria specified in test planning

Answer: A

NEW QUESTION 2

- (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 3

- (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 4

- (Exam Topic 1)

Which of the following statements about decision tables are TRUE?

- A. Generally, decision tables are generated for low risk test items.I
- 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 5

- (Exam Topic 1)

Which of the following is an appropriate reason for maintenance testing?

- A. Bugs found in the field after upgrading the operation system
- B. Bugs found during system testing
- C. Bugs found during unit testing
- D. Bugs found during integration testing

Answer: A

NEW QUESTION 6

- (Exam Topic 1)

Once a bug is fixed, it should be retested. What is the term used to define this type of testing?

- A. Reliability Testing
- B. Confirmation Testing
- C. Maintainability Testing
- D. Regression Testing

Answer: B

NEW QUESTION 7

- (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 8

- (Exam Topic 1)

Which of the following is a correct set of boundary values to test the "Group Size" parameter, as defined by the following statement;

"In a reservation system for groups visiting a small museum, the graphical user interface presents a field asking the number of group members. Group size can be anywhere from 2 to 20 visitors"

- A. 0,1,8,21,22
- B. 0,1,2,3,10,19,20,21,22
- C. 2,3,19,20
- D. 1,2,20,21

Answer: C

NEW QUESTION 9

- (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 10

- (Exam Topic 1)

The following incident report that was generated during test of a web application What would you suggest as the most important report improvement?

Defect detected date: 15.8.2010 Defect detected by: Joe Smith Test level System test

Test case Area 5/TC 98 Build version: 2011-16.2

Defect description After having filled out all required fields in screen 1,1 click ENTER to continue to screen 2. Nothing happens, no system response at all.

- A. Add an impact analysis
- B. Add information about which developer should fix the bug
- C. Add the time stamp when the incident happened
- D. Add information about which web browser was used

Answer: A

NEW QUESTION 10

- (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 11

- (Exam Topic 1)

The following test cases for a Library Management System are available to test changes made to the functions and data structures associated with borrowers

1. Add a new borrower to the system
 2. Update a borrower's data
 3. Remove a borrower from the system
 4. Loan a book to a borrower
 5. Return a book from a borrower
 6. Reserve a book for a borrower
 7. Send "reservation ready" message to a borrower
- Which of the following test sequences represents a possible use case? (a test sequence always start with test #1)

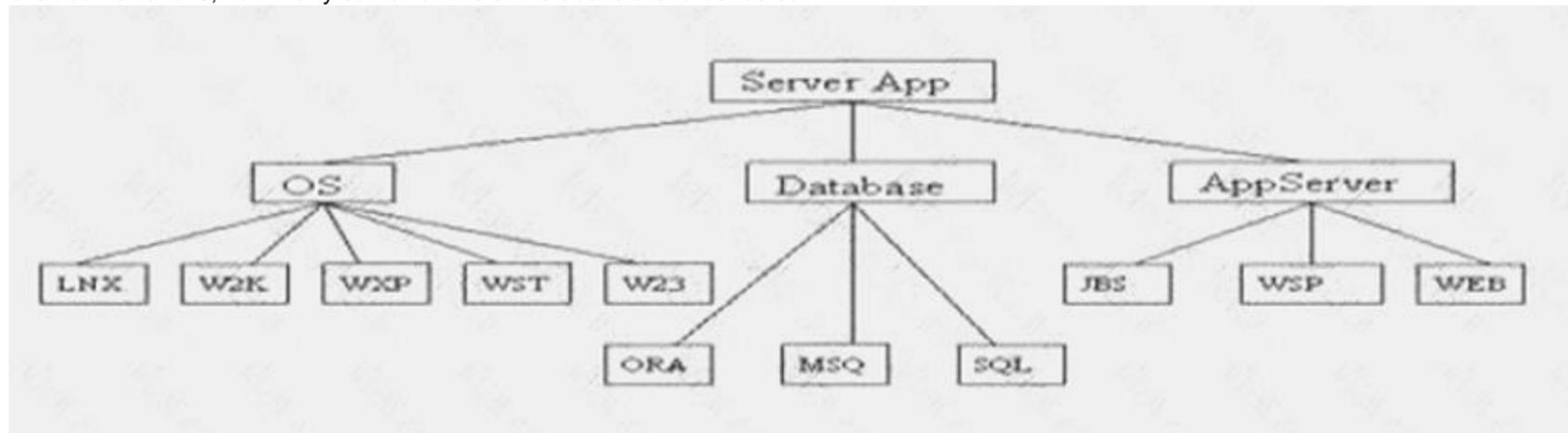
- A. 1-4-2-7-5-6-3
- B. 1-6-2-5-7-4-3
- C. 1-6-4-7-5-3-2
- D. 1-2-6-7-4-5-3

Answer: B

NEW QUESTION 14

- (Exam Topic 1)

The following diagram lists various types of operating systems, databases and application servers supported by the application under test. For complete coverage of all combinations, how many combinations of the above are to be tested?



- A. 11
- B. 5
- C. 45
- D. 3

Answer: D

NEW QUESTION 16

- (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 19

- (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 1)

Which of the following errors CANNOT be found with structure-based testing techniques?

- A. Memory is leaking
- B. Features are only partially implemented
- C. Data structures that are used before initialization
- D. Division by zero

Answer: A

NEW QUESTION 29

- (Exam Topic 1)

Which ONE of the following statements does NOT describe how testing contributes to higher quality?

- A. Performing a review of the requirement specifications before implementing the system can enhance quality

- B. The testing of software demonstrates the absence of defects
- C. Properly designed tests that pass reduce the level of risk in a system
- D. Software testing identifies defects, which can be used to improve development activities.

Answer: B

NEW QUESTION 34

- (Exam Topic 1)

Which of the following statements is correct?

- A. Pair programming is done with developer and tester pairing together
- B. Pair programming is an alternative term for code inspection.
- C. Pair programming is used usually in waterfall model
- D. Pair programming is, among other things, an informal review method.

Answer: A

NEW QUESTION 39

- (Exam Topic 2)

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 41

- (Exam Topic 2)

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 42

- (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 44

- (Exam Topic 2)

What factors should be considered to determine whether enough testing has been performed? (i)The exit criteria.

(ii) The budget.

(iii) How big the test team is. (iv)The product's risk profile. (v)How good the testing tools are.

(vi) Sufficient details of the system status to allow decisions

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

Answer: A

NEW QUESTION 45

- (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 48

- (Exam Topic 2)

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 51

- (Exam Topic 2)

Which of the following is a valid reason for writing test cases based on experience and intuition? [K1]

- A. Use of formal techniques requires expensive training
- B. Only experience can ensure all functionality is covered
- C. Tests based on experience and intuition can supplement formal techniques
- D. Formal techniques require the use of expensive tools

Answer: C

NEW QUESTION 52

- (Exam Topic 2)

Which of the following statements about software development models is most accurate? [K1]

- A. The 4 stage V model is always the best choice of software development model for any project
- B. The agile development model is usually most appropriate for short projects
- C. The choice of software development model depends on product and project characteristics
- D. The 2 stage V model is the most appropriate development model for simple products

Answer: C

NEW QUESTION 53

- (Exam Topic 2)

Which of the following test case design techniques is white box (structure-based)? [K1]

- A. Use case testing
- B. State transition testing
- C. Decision testing
- D. Equivalence partitioning

Answer: C

NEW QUESTION 57

- (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 62

- (Exam Topic 2)

Which of the following test organizations has the highest level of independence?

- A. Independent testers within the development teams
- B. Independent testers from the user community
- C. Independent test specialists for specific test types, such as usability, performance or certification test specialists
- D. Code tested by another developer from the development team

Answer: C

NEW QUESTION 63

- (Exam Topic 2)

Which of the following would NOT be a typical target of testing support tools?

- A. Automate activities that require significant resources when done manually
- B. Automate activities that cannot be executed manually
- C. Automate repetitive tasks
- D. Automating repetitive inspections

Answer: D

NEW QUESTION 65

- (Exam Topic 2)

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 70

- (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 72

- (Exam Topic 2)

Typically, exit criteria may consist of:

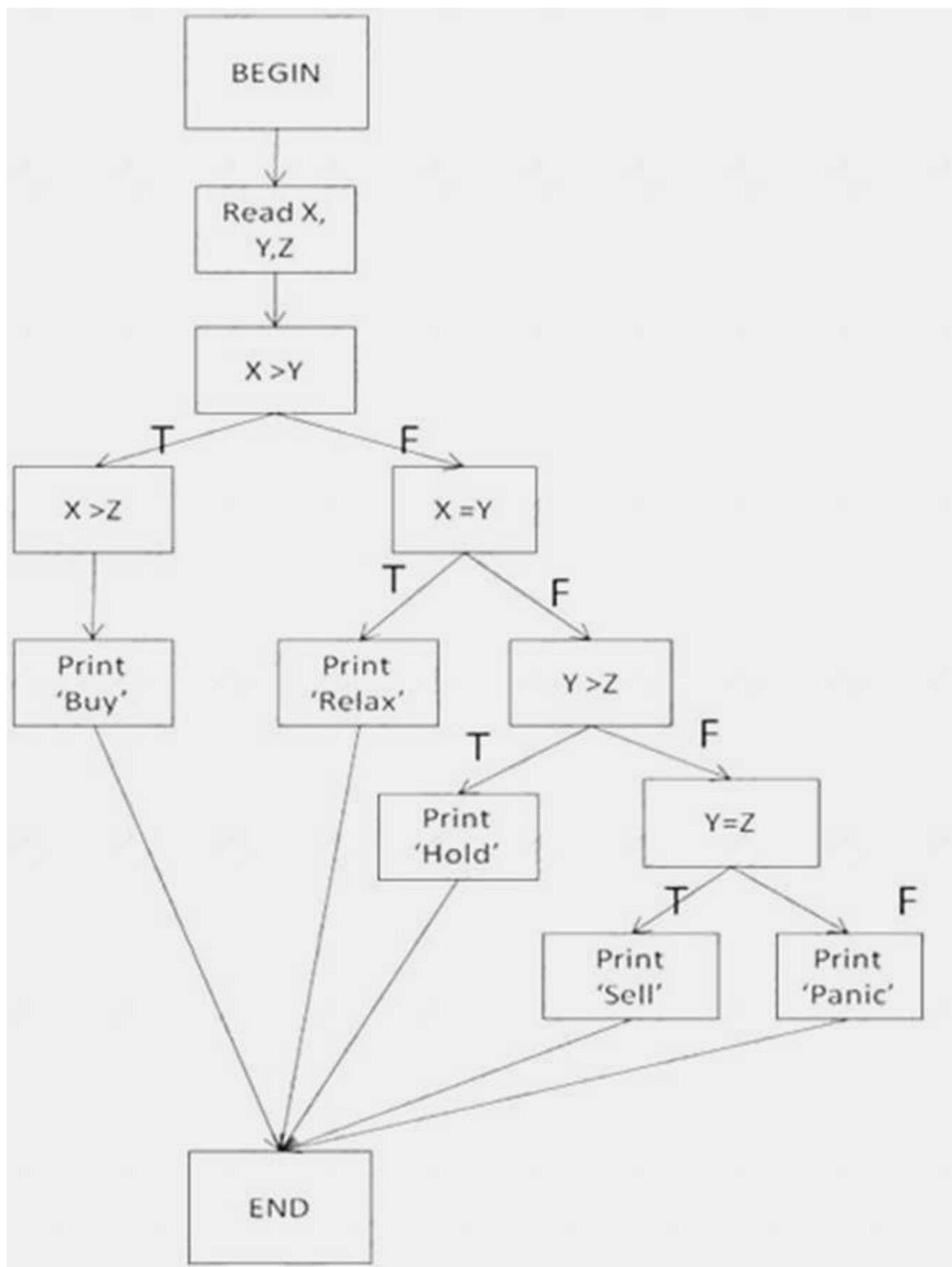
- A. Defining the amount, level of detail structure, and templates for the test documentation.
- B. Estimates of defect density or reliability measures.
- C. Adequacy of the test approaches taken.
- D. Discussions on disaster recovery.

Answer: B

NEW QUESTION 73

- (Exam Topic 2)

Which of the following test cases will ensure that the statement 'Print 'Hold'' is exercised? [K3] Refer to the exhibit



- A. X=2, Y=2, Z=2
- B. X=2, Y=3, Z=4
- C. X=2, Y=4, Z=3
- D. X=4, Y=3, Z=2

Answer: C

NEW QUESTION 75

- (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 78

- (Exam Topic 2)

Which of the following is a valid objective of testing? [K1]

- A. Correcting defects
- B. Locating defects in the code

- C. Preventing defects
- D. Ensuring no defects are present

Answer: C

NEW QUESTION 83

- (Exam Topic 2)

Which of the following characteristics is most likely to promote effective software testing? [K1]

- A. Independence from the production process
- B. A belief that programmers always make mistakes
- C. Knowledge of the number of defects typically found in a program
- D. Confidence that the next stage will find defects missed at this stage

Answer: A

NEW QUESTION 85

- (Exam Topic 2)

Which of the following processes ensures that all items of testware are identified, version controlled, tracked for changes, so that traceability can be maintained throughout the test process?

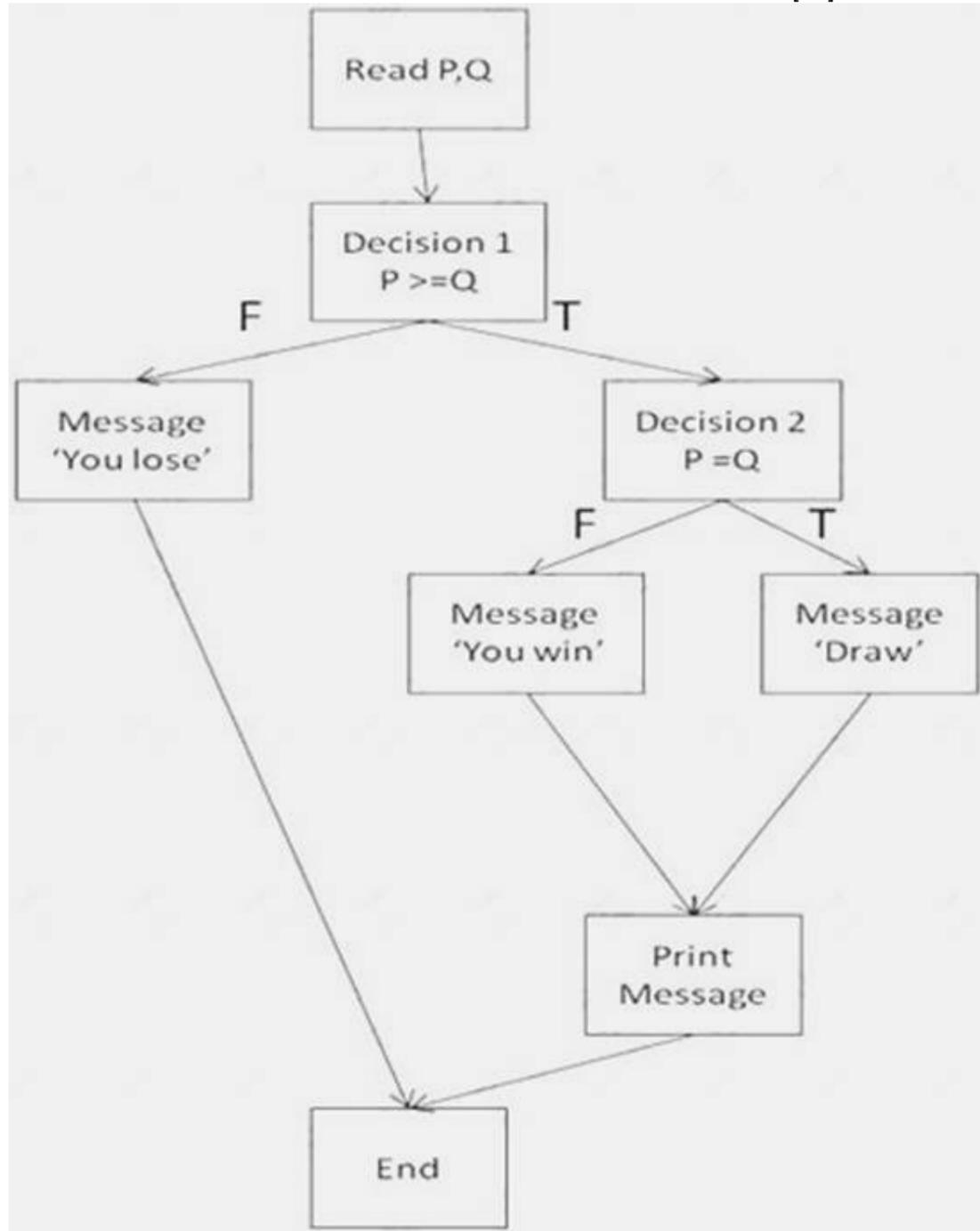
- A. Software traceability process
- B. Incidence management process
- C. Testing design process
- D. Configuration management process

Answer: D

NEW QUESTION 87

- (Exam Topic 2)

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 92

- (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 93

- (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 94

- (Exam Topic 2)

What type of test design technique is the most effective in testing screen-dialog flows?

- A. Use case testing
- B. Boundary value testing
- C. Statement testing and coverage
- D. State transition testing

Answer: D

NEW QUESTION 96

- (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 97

- (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 100

- (Exam Topic 2)

Which of the following, select the best description of the fundamental test process:

- A. Planning and control, analysis, design, implementation, execution, evaluation of exit criteria and reporting, test closure.
- B. Executing tests, identifying and recording defects and preparing recommendation and closure reports.
- C. Controls, preparation of test cases, execution of test cases, execution of regression packs, communicating with developers, writing recommendations for release.
- D. Static testing, dynamic testing, defect reporting, reporting and closure.

Answer: A

NEW QUESTION 105

- (Exam Topic 2)

Which TWO of the following test tools would be classified as test execution tools? [K2]

- A. Test data preparation tools
- B. Test harness
- C. Review tools
- D. Test comparators
- E. Configuration management tools
- F. a and b
- G. c and d
- H. c and e
- I. b and d

Answer: D

NEW QUESTION 107

- (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 111

- (Exam Topic 2)

When an organization considers the use of testing tools, they should:

- A. Use a tool in order to help define a good test process because the tool will force process repeatability and therefore enforce good test process.
- B. Always start by bringing in automated test execution tools as these tools have the greatest return on investment and therefore should be introduced first.
- C. Perform analysis of the test process and then assess whether it can be supported through the introduction of tool support.
- D. Allow the developers to select the testing tools because tools are technical and developers have the appropriate skills to advise on test tool selection and configuration.

Answer: C

NEW QUESTION 116

- (Exam Topic 2)

Before an invoice can be created, an account is required. Before an account can be set up, an account user is required (in order to set up the account). The software is delivered with a master user only, who can only create other types of users. The following test cases have been written to test the high-level structure of the software

- A. Create an invoice
 - B. Amend an invoice
 - C. Process an invoice (send to customer)
 - D. Delete an invoice
 - E. Create an account
 - F. Create an account user
 - G. Amend an account user
 - H. Delete an account user
 - I. Amend an account
 - J. Delete an account
- Which of the following test procedures would enable all tests to be run? [K3]
- K. f, g, a, c, b, d, e, i, j, h
 - L. e, i, a, c, b, d, f, g, h, j
 - M. e, i, f, g, a, c, b, d, h, j
 - N. f, g, e, i, a, b, c, d, j, h

Answer: D

NEW QUESTION 121

- (Exam Topic 3)

Which of the following type of defect would NOT be typically found by using a static analysis tool?

- A. A variable is defined but is then not used
- B. A variable is used in a calculation before it is defined
- C. A variable has the wrong numeric value passed into it
- D. A variable is used but not declared

Answer: C

NEW QUESTION 124

- (Exam Topic 3)

A team's test strategy was to invest equal effort in testing each of a system's modules. After running one test cycle, it turned out that most of the critical bugs were detected in one of the system's modules.

Which testing principal suggests a change to the current test strategy for the next test cycle?

- A. Defect clustering
- B. Early testing
- C. Pesticide Paradox
- D. Absence-of-errors fallacy

Answer: A

NEW QUESTION 129

- (Exam Topic 3)

Debugging and Testing are key activities in the software development lifecycle. Which of the following are 'Debugging' activities?

- a) Identifying, a failure
- b) Locating the cause of failure
- c) Fixing the defect
- d) Checking the fix has resolved the failure

- A. a & d
- B. a & b
- C. b & c
- D. c & d

Answer: C

NEW QUESTION 132

- (Exam Topic 3)

Which of the following describes a task performed as part of the Test Implementation and Execution' activity?

- A. Logging the outcome of test execution and reporting bugs
- B. Evaluating the testability of the test basis and test objects
- C. Assessing if the specified exit criteria should be changed
- D. Selecting metrics for monitoring test execution and defect resolution

Answer: A

NEW QUESTION 134

- (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 test cases are required to cover 100% Statement coverage and Decision coverage?

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

Answer: D

NEW QUESTION 137

- (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 142

- (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 143

- (Exam Topic 3)

A garden irrigation system allows the user to specify 2 inputs:

1. Frequency - The number of times the system should be automatically switched on per day; minimum once per day, maximum 5 times
 2. Duration - The duration of operation, in whole minutes, each time it is switched on; ranging from 1 to 60
- Applying 2-value boundary value analysis which of the following options has the correct test set of valid and invalid boundary values?

- A. Frequency 1, 5; Duration 1, 60
- B. Frequency 0, 1, 5, 6; Duration 59 seconds, 1 minute, 60 minutes, 60 minutes 1 second
- C. Frequency 0, 1, 5, 6; Duration 0, 1, 30, 60, 61
- D. Frequency 0, 1, 2, 5, 6; Duration 0, 1, 30, 60, 61

Answer: B

NEW QUESTION 146

- (Exam Topic 3)

Which of the following is NOT a major responsibility of a tester?

- A. Producing interim test reports.
- B. Finding the root cause of a defect.
- C. Writing the test specification
- D. Reporting and tracking bugs.

Answer: A

NEW QUESTION 147

- (Exam Topic 3)

Which of the following metrics is from the test design phase?

- A. Number of test cases run / not run
- B. Number of defects found and fix
- C. Percentage of test conditions covered by test cases
- D. Subjective confidence of testes in the system under test

Answer: C

NEW QUESTION 152

- (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 153

- (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 system
- E. Test techniques help reduce the number of tests.

Answer: D

NEW QUESTION 157

- (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 158

- (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 163

- (Exam Topic 3)

Which of the following statements about estimation of the test effort is WRONG?

- A. Effort estimate can be inaccurate because the quality of the product under tests is not known.
- B. Once the test effort is estimated, resources can be identified and a schedule can be drawn up.
- C. Experience based estimation is one of the estimation techniques.
- D. Effort estimate depends on the budget of the project.

Answer: D

NEW QUESTION 167

- (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 interest
- B. Certified software tester shall always sign a NDA (Non Disclosure Agreement) in presence of customer data
- C. Certified software testers shall maintain integrity and independence in their professional judgment
- IV 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 172

- (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)

When should component integration tests be carried out?

- A. Integration tests should always be done after system tests
- B. Integration tests should be done at the customer's site, after acceptance tests
- C. Integration tests can be done before or after system tests
- D. Integration tests should always be done before system tests

Answer: A

NEW QUESTION 178

- (Exam Topic 3)

Which type of software development product can undergo static testing?

- A. Any software development product can undergo static testing, including requirements specifications, design specifications and code
- B. Static testing is done only on the requirement
- C. You need to execute the software in order to find defects in the code
- D. Static testing is done only on the code as part of the "code review" sessions Other documents are reviewed, but not by static testing Static tests
- E. should be performed on the installation and user guide documents as these documents are used by the end user

Answer: C

NEW QUESTION 183

- (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 186

- (Exam Topic 3)

When comparing Static and Dynamic test techniques, which of the following statements is TRUE?

- A. Static Testing finds failures, whilst Dynamic Testing only finds the cause of failures.
- B. Static Testing techniques, such as reviews, can be undertaken before Dynamic Testing, making defects cheaper to remove.
- C. Static Testing is based on the execution of code, whilst Dynamic Testing relies on examination and analysis.
- D. Only Static Testing has the objective of identifying defects.

Answer: B

NEW QUESTION 190

- (Exam Topic 3)

What is a typical benefit of use case testing?

- A. Finding failures in the possible states transitions
- B. Clearer identification of system equivalence partitioning
- C. Finding of failures in the business process flows, which highlight system use in the real world
- D. Identification of bugs in the system components.

Answer: C

NEW QUESTION 192

- (Exam Topic 3)

A tester thinks of a likely cause for a specific bug Should the tester make a comment about this in the bug report?

- A. N
- B. A bug report must only include factual information, and not unsupported hypothesis
- C. N
- D. Such addition may bias the developers' attitude when they attempt to fix the bug
- E. Yes It will reduce the risk that the bug fix will cause a regression
- F. Yes Observations that may help correct a bug should be included in the bug report

Answer: D

NEW QUESTION 196

- (Exam Topic 3)

Which of the following defects-can NOT be found by static analysis tools?

- A. Infinite loops
- B. Wrong business rules
- C. Syntax errors of the code
- D. Undefined variables

Answer: B

NEW QUESTION 198

- (Exam Topic 3)

A system requirement states that up to 100 users should be able to carry out a transaction, with responses returned within 5 seconds.

What type of non-functional testing would you carry out to verify these requirements?

- A. Stress testing
- B. Maintenance testing
- C. Load testing
- D. Usability testing

Answer: A

NEW QUESTION 202

- (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 207

- (Exam Topic 3)

State	Events				
	A	B	C	D	E
S1	S2			S1	
S2		S3			
S3		S4	S2		
S4					S4

In the above State Table, which of the following represents an invalid transition?

- A. Event C from S3
- B. Event E from S4
- C. Event B from S2
- D. Event D from S4

Answer: C

NEW QUESTION 208

- (Exam Topic 3)

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

- A. Providing information on the status of the system
- B. Preventing defects
- C. Finding defects in the software
- D. Debugging the software to find the reason for defects

Answer: A

NEW QUESTION 209

- (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 213

- (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 214

- (Exam Topic 3)

Which of the following BEST describes how configuration management supports the test process?

- A. It enables the tester to reproduce the tested item through unique identification and version control.
- B. It enables the tester to systematically design test conditions, cases and data.
- C. It enables incidents to be tracked from discovery and classification to correction and confirmation of the solution.
- D. It helps the test manager to decide how best to integrate and coordinate the testing activities into the software life cycle.

Answer: A

NEW QUESTION 219

- (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 222

- (Exam Topic 3)

Consider the following excerpt from a test report 'We tested the module AX45T and we got only 1 failure. To recreate the failure, we used test file PR624_DR78_TCB0022.pkr, available under the PR624_DR78 repository in the CK01 server'.

Which incident report objective does this excerpt satisfy?

- A. Provides developers with information to isolate the failure.
- B. Does not belong to an incident report
- C. Provides Project Managers with information on the project risks.
- D. Provides test managers with information to report test progress.

Answer: A

NEW QUESTION 226

- (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 229

- (Exam Topic 3)

Consider a document containing a classification of all the defects found during the system test phase and after the delivery in the production environment. This document can be considered a test basis for which of the following test design techniques?

- A. Structure-based testing
- B. Experience-based testing
- C. Decision coverage testing
- D. Specification-based testing

Answer: A

NEW QUESTION 232

- (Exam Topic 3)

When considering the roles of test leader and tester, which of the following tasks would NOT typically be performed by a tester?

- A. Prepare and acquire the test data
- B. Set up and check the test environment
- C. Write test summary reports
- D. Review tests developed by others

Answer: D

NEW QUESTION 233

- (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 235

- (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 238

- (Exam Topic 3)

Which of the following statements about use cases and use case testing is NOT TRUE?

- A. Use cases can be used as test basis for acceptance testing
- B. Use case testing can find defects in the process flow.
- C. Use cases can be described at the abstract level or at the system level
- D. Use cases are normally derived from decision tables

Answer: C

NEW QUESTION 241

- (Exam Topic 3)

You need to test a vending machine for light drinks The machine has a button for each of the drinks it contains Pressing a button before inserting coins, will display the cost of the drink

Pressing the same button after inserting enough coins will dispense the drink and provide change if needed) If the machine is out of the specific drink, and the button for this drink is pressed, the machine displays "Sold Out" (regardless if coins were inserted or not).

Which test technique is most suitable for this situation?

- A. State transition testing
- B. Equivalence class testing
- C. Boundary value testing
- D. Use-case testing

Answer: D

NEW QUESTION 246

- (Exam Topic 3)

Which of the following options BEST explain the pesticide paradox principle of testing?

- A. If we do not regularly review and revise our tests, we'll stop finding defects
- B. Repeatedly running a set of tests will ensure that a system is defect free
- C. Defects are, paradoxically, often contained in a small number of modules
- D. Testing, like spraying pesticide, is an effective bug / defect removal activity

Answer: C

NEW QUESTION 249

- (Exam Topic 3)

Which of the following are the phases of the ISTQB fundamental test process?

- A. Test plannin
- B. Test analysis and desig

- C. Test implementation and control, Checking test coverage and reportin
- D. Test closure activities
- E. Test planning and contro
- F. Test specification and desig
- G. Test implementation and executio
- H. Evaluating test coverage and reportin
- I. Retesting and regression testing, Test closure activities
- J. Test planning and contro
- K. Test analysis and design, Test implementation and execution, Evaluating exit criteria and reporting, Test closure activities
- L. Test planning, Test specification and design, Test implementation and execution, Evaluating exit criteria and reporting, Retesting and test closure activities

Answer: D

NEW QUESTION 252

- (Exam Topic 3)

Which of the following is NOT a test control activity?

- A. Re-prioritize tests because of time pressure
- B. Change the test schedule due to viability of a test environment
- C. Writing test suspension and resumption criteria in the test plan
- D. Set an entry criterion requiring fixes to be retested by a developer before accepting them into a build

Answer: D

NEW QUESTION 254

- (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 257

- (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 260

- (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 262

- (Exam Topic 3)

Which of the following statements correctly describe Black-Box Testing"

- A. Test on an individual software component in isolation from other components, to avoid external influence
- B. Tests that investigate the input v
- C. trfe output behavior of a software system.
- D. Test derived from the ability of the testers and their intuition and experience with similar applications and technologies (sometimes used to strengthen systematic techniques)
- E. Test of the interfaces between components and of the interactions with different parts of a system

Answer: D

NEW QUESTION 265

- (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 270

- (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 275

- (Exam Topic 3)

Which of the following factors is LEAST likely to be used as a basis for estimating testing effort?

- A. Requirements for documentation
- B. Quality of the test basis Work
- C. Breakdown Structure
- D. Skills of the test team

Answer: C

NEW QUESTION 280

- (Exam Topic 3)

You are testing an e-commerce system The system accepts four different types of Credit Cards; each card has its own rules for valid and invalid numbers. The following is a portion of the Decision Table for Order Management.:

Condition	
Valid Card Number	NO YES YES
Purchase Approved	NO NO YES
Action	
Reject message	YES YES NO
Accept Payment	NO NO YES

The combination of the conditions Valid Card Number (NO) + Purchase Approved (YES) is not feasible. You wish to perform a test which completely covers all the combinations of equivalence partitioning for the different types of credit card, according to the rules shown in the above Decision Table
 How many test cases do you need?

- A. 8
- B. 4
- C. 16
- D. 12

Answer: C

NEW QUESTION 285

- (Exam Topic 3)

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: D

NEW QUESTION 290

- (Exam Topic 3)

Which one of the following statements about testing techniques is TRUE?

- A. Exploratory testing can replace black box techniques when testing time is very limited
- B. Test execution scheduling should give priority to experienced based testing
- C. Specification based techniques can be used as a substitute for a poorly defined test basis
- D. Experienced based techniques are systematic and produce detailed test documentation

Answer: A

NEW QUESTION 291

- (Exam Topic 3)

Which of the following is NOT a typical task for a test leader?

- A. Select the test approach
- B. Coordinate the test strategy
- C. Prepare and acquire test data
- D. Estimate the cost of testing

Answer: D

NEW QUESTION 295

- (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 298

- (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 post 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 301

- (Exam Topic 3)

A system sets new users' password to a temporary password

The temporary password is a random number based on the first six characters of the username. If the username is shorter than 6 characters, the system displays an error message.

Which of the following is a possible representation of equivalence classes for the username string?

- A. {Random number}{Error message}
- B. {Error message displayed}{Error message not displayed}
- C. {Username shorter than 6 characters}{Username equal to or longer than 6 characters}
- D. {Username with a permanent password}{Username with a temporary password}

Answer: D

NEW QUESTION 306

- (Exam Topic 3)

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 307

- (Exam Topic 3)

	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 311

- (Exam Topic 3)

Which of the following statements are "testing general principles"?

- A. Exhaustive testing is impossible
- B. The defects found during the pre-release tests, or the operational failures, are uniformly distributed across the system's software modules
- C. Testing can show the presence of defects, but cannot demonstrate their absence
- D. Testing is context-independent
- E. I, III
- F. I, II
- G. I, IV
- H. II, III

Answer: A

NEW QUESTION 315

- (Exam Topic 3)

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7
Conditions							
Full Member	Y	N	N	N	N	N	N
Loyalty Card holder	Don't care	Y	Y	Y	Y	N	N
18 Holes	Don't care	Y	Y	N	N	Y	N
9 Holes	Don't care	N	N	Y	Y	N	Y
Buggy/Cart Request	Don't care	N	Y	N	Y	Don't care	Don't care
Actions							
No charge on Green Fees	Y	N	N	N	N	N	N
£12 Green Fees	N	N	N	Y	Y	N	N
£16 Green Fees	N	N	N	N	N	N	Y
£18 Green Fees	N	Y	Y	N	N	N	N
£22 Green Fees	N	N	N	N	N	Y	N
Buggy/Cart allowed	Y	Y	Y	Y	Y	N	N
Buggy/Cart Free	Y	N	N	N	N	N	N
Buggy/Cart £5	N	N	Y	N	Y	N	N

The decision table above reflects a golf club's pricing structure for green fees and buggy/cart hire. What is the expected result (actions) for each of the following two test cases (TC1 and TC2)?

* TC 1 - Paul is not a full member, is a Loyalty Card holder and requests to play 18 holes with a buggy/cart

* TC 2 - Cheryl is not at full member, doesn't have a Loyalty Card and requests to play 9 holes with a buggy/cart

- A. TC1 - £23 total charges including buggy hire; TC2 - £21 total charge including buggy hire
- B. TC1 - £18 total charges including buggy hire; TC2 - £16 total charge but no buggy allowed
- C. TC1 - £23 total charges including buggy hire; TC2 - £16 total charge but no buggy allowed
- D. TC1 - £17 total charges but no buggy allowed; TC2 - £21 total charge including buggy hire

Answer: D

NEW QUESTION 318

- (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 322

- (Exam Topic 3)

Which option BEST describes how the level of risk is determined?

- A. The likelihood of an adverse event happening multiplied by the cost of preventing it
- B. The consequences of a potential problem multiplied by the cost of possible legal action
- C. The impact of an adverse event multiplied by the likelihood of that event occurring
- D. The likelihood and the probability of a hazard occurring

Answer: C

NEW QUESTION 324

- (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 326

- (Exam Topic 3)

A QA manager of a start-up company needs to implement within a week a low cost incident management tool Which of the following is the best option?

- A. Manage the incidents through E-mails and phone calls
- B. Manage the incidents in a spreadsheet posted on the intranet
- C. Purchase and deploy an incident management tool
- D. Document incidents on a large board in the lab

Answer: B

NEW QUESTION 329

- (Exam Topic 3)

What is basic idea of structure-based testing techniques?

- A. To allow developers to have their own testing technique.
- B. To do better testing, since the specifications are not needed.
- C. The more details of the source code are executed, the more faults can be found.
- D. To gain time, since structure-based techniques are easier to implement than specification-based techniques.

Answer: C

NEW QUESTION 334

- (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 336

- (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 339

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