CTFL_Syll2018 Dumps

ISTQB Certified Tester Foundation Level (Syllabus 2018)

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NEW QUESTION 1
- (Exam Topic 1)
The following sentences refer to the Standard for Software Test Documentation' specification (IEEE 829). Which sentence is correct?

A. The key to high quality test documentation regimes is strict adherence to this standard
B. Any deviation from this standard should be approved by management, marketing & development
C. This test plan outline is relevant for military projects For consumer market projects there is a different specification with fewer items
D. Most test documentation regimes follow this spec to some degree, with changes done to fit a specific situation or organization

Answer: A

NEW QUESTION 2
- (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 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 tool types is the most useful one for a test manager?

A. Modeling tool
B. Static analysis tool
C. Coverage measurement tool
D. Defect tracking tool

Answer: C

NEW QUESTION 5
- (Exam Topic 1)
An organization is working on updating test cases for a particular module of their software. Sam updated a set of test cases yesterday and saved the new version on his PC. Unfortunately, the hard disk of his PC crashed, and his work was lost.
The IT department of the organization restored the contents of his hard disk with the last available back-up - from the previous morning However the changes made by him yesterday were lost forever
Which of the following tools, had it been used, would have prevented the loss of Sam's updates?

A. Incident Management Tool
B. Configuration Management Tool
C. Test Execution tool
D. Backup tool

Answer: A

NEW QUESTION 6
- (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 7

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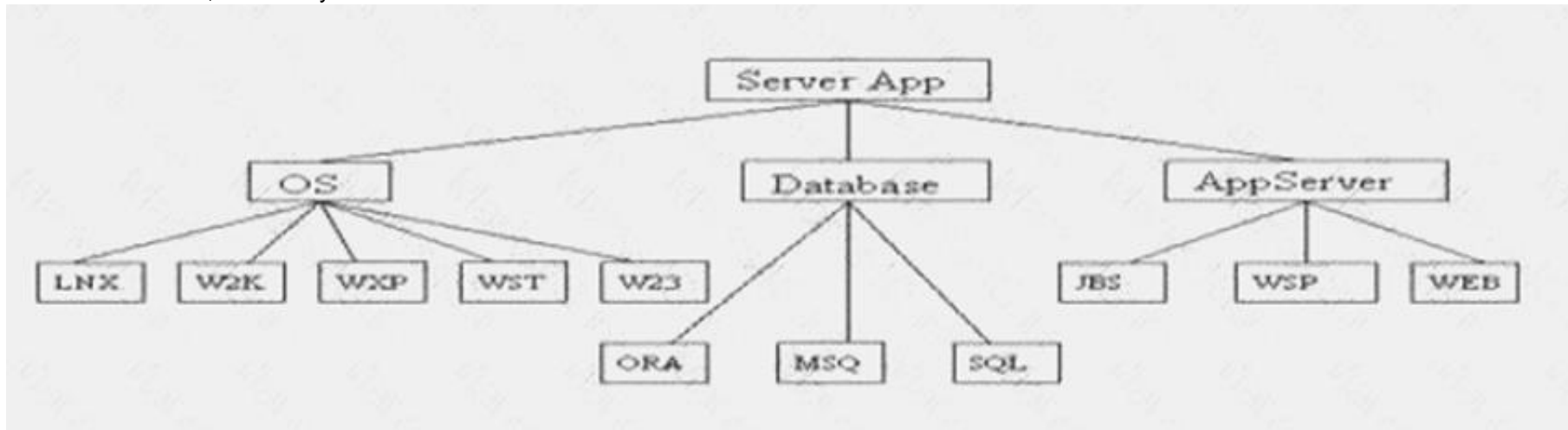
A. 1-4-2-7-5-6-3
B. 1-6-2-5-7-4-3
C. 1-6-4-7-5-3-2
D. 1-2-6-7-4-5-3

Answer: B

NEW QUESTION 8
- (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 9
- (Exam Topic 1)
What does the term Pesticide paradox' refer to?

A. The phenomena where a piece of code that has a lot of bugs is likely to have more hidden, yet unfound
B. The decreasing efficiency of debugging when done in code that has many bugs
C. Reduced effectiveness of test cases that are repeated and focused on the same scenarios
D. The redundancy of testing the same objects in both black and white box techniques

Answer: C

NEW QUESTION 10
- (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 10
- (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 12
- (Exam Topic 1)
Testing should provide sufficient information to stakeholders to make informed decisions about the release of the software or system being tested. At which of the following fundamental test process activity the sufficiency of the testing and the resulting information are assessed?

A. Implementation and execution
B. Requirements specification
C. Evaluating exit criteria and reporting.
D. Analysis and design

Answer: C

NEW QUESTION 17
- (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 22
- (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 25
- (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 29
- (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 31
- (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 32
- (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 34
- (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 39
- (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 41
- (Exam Topic 2)
What is the main reason for using a pilot project to introduce a testing tool into an organization? [K1]

A. To identify the requirements for using a tool
B. To make a selection between alternative tools
C. To assess whether the tool will be cost- effective
D. To ensure the tools fits existing processes without change

Answer: C

NEW QUESTION 43
- (Exam Topic 2)
Which of the following statements about use-case testing are most accurate? (i)In a use-case diagram an actor represents a type of user.
(ii)Use-cases are the most common test basis for unit testing.
(iii)A use-case describes interactions between actors.
(iv)An actor is always a human user that interacts with the system. (v)Test cases can be based on use-case scenarios.
(vi) Use-case testing will often identify gaps not found by testing individual components.

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

Answer: B

NEW QUESTION 45
- (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 50
- (Exam Topic 2)
A client-server system for a web development must support a minimum of 200 enquiries per hour. In peak times, it must be available 24 hours x 7 days due to the critical nature of the application, and must have a response time lower than 20 seconds during peak loads.
Which of the following set of test types would be most appropriate to verify the non-functional requirements expressed in this statement?

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

Answer: C

NEW QUESTION 54

- (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 59
- (Exam Topic 2)
Consider the following pseudo code
1. Begin
2. Read Gender
3. Print "Dear"
4. If Gender = 'female'
5. Print ("Ms")
6. Else
7. Print ("Mr")
8. Endif
9. End
How many test cases are needed to achieve 100 per cent decision coverage?

A. 1
B. 2
C. 3
D. 4

Answer: B

NEW QUESTION 61
- (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 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 66
- (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 68
- (Exam Topic 2)
Which of the following correctly states a limitation in the use of static analysis tools? [K1]

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

Answer: B

NEW QUESTION 70
- (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 73
- (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 77
- (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 82
- (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 86
- (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 91
- (Exam Topic 2)
Which statement BEST describes when test planning should be performed? [K1]

A. Test planning is performed only once, at the beginning of the life cycle, andgenerates a Master Test Plan
B. Test planning is performed at the beginning of the life cycle and again at the beginning of test execution
C. Test planning is performed at the beginning of the life cycle and again at every test level
D. Test planning is performed continuously in all life cycle processes and activities

Answer: D

NEW QUESTION 95

- (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 100
- (Exam Topic 2)
Which of the following risks represents the highest level of risk to the project?

A. Likelihood of failure = 1%, potential cost of impact = $1m.
B. Likelihood of failure = 10%, potential cost of impact = $500,000.
C. Likelihood of failure = 20%, potential cost of impact = $150,000.
D. Likelihood of failure = 5%, potential cost of impact = $500,000.

Answer: B

NEW QUESTION 101
- (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 104
- (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 106
- (Exam Topic 2)
Equivalence Partitioning is best defined as:

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

Answer: A

NEW QUESTION 109
- (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 112
- (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 115
- (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 116
- (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 120
- (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 125
- (Exam Topic 2)
Which of the following are 'Exit Criteria?'

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

Answer: B

NEW QUESTION 127
- (Exam Topic 2)
"Experience based" test design techniques, typically...

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

Answer: C

NEW QUESTION 130
- (Exam Topic 2)
The flow graph below shows the logic of a program for which 100% statement coverage and 100% decision coverage is required on exit from component testing. [K4]
The following test cases have been run: Test Case 1 covering path P,Q,R,U Test Case 2 covering path P,Q,S,V Test Case 3 covering path P,Q,S,W,X Test case 4 covering path P,Q,S,W,Y Refer to the exhibit
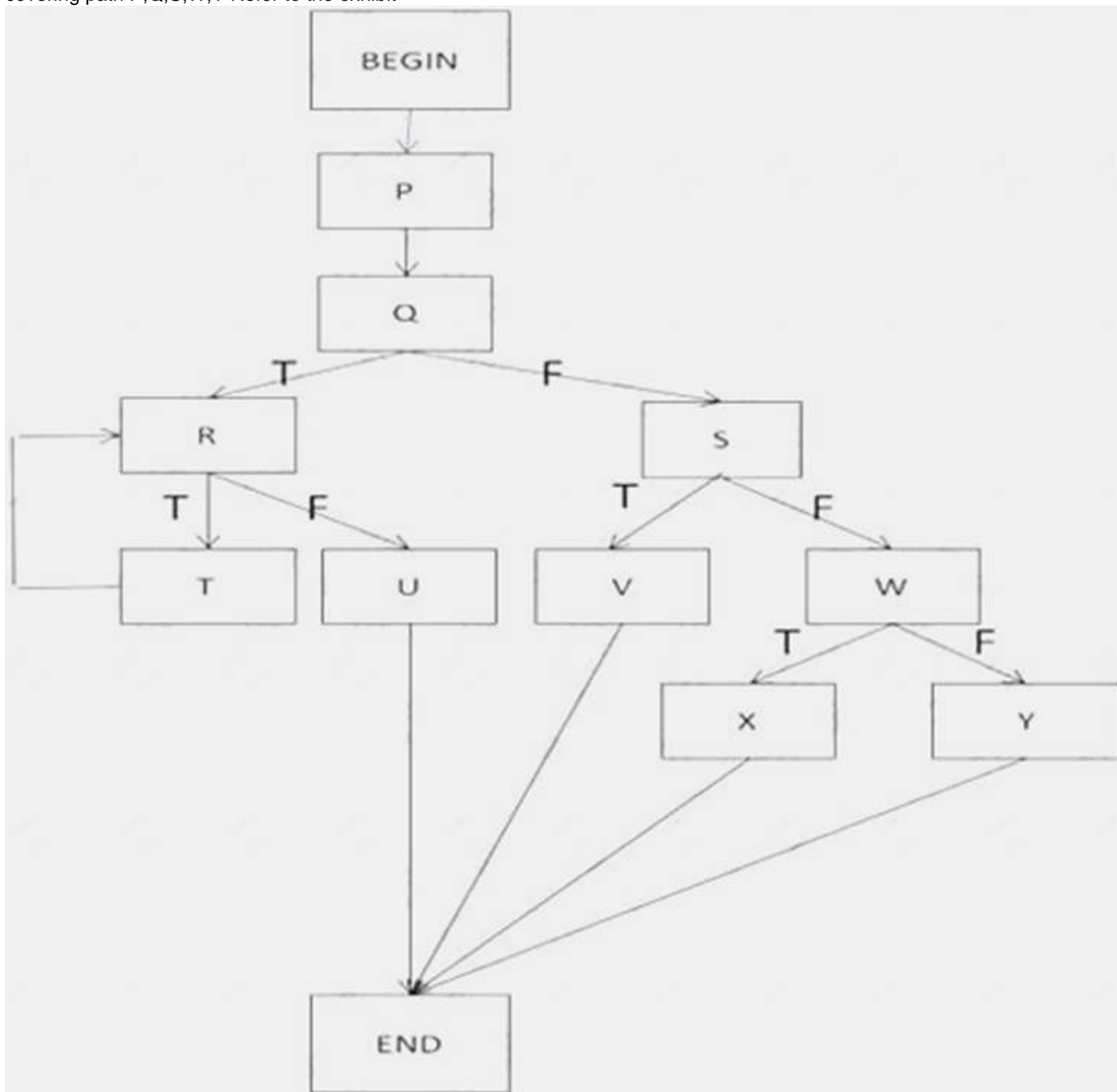
A. Statement coverage is 100%; decision coverage is 100%
B. Statement coverage is less than 100%; decision coverage is 100%.
C. Statement coverage is 100%; decision coverage is less than 100%
D. Statement coverage and decision coverage are both less than 100%

Answer: D

NEW QUESTION 132
- (Exam Topic 2)
Which of the following test design techniques is classified as a structure-based (white box) technique? [K1]

A. Exploratory testing
B. Decision table testing
C. State transition testing
D. Statement testing

Answer: D

NEW QUESTION 135
- (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 137
- (Exam Topic 3)
Which statement about Static Testing is TRUE?

A. Static testing can be applied to any work product that participants know how to read and understand.
B. Static testing must only be applied to final work products that have been signed off.
C. Static testing must be conducted by users of the product being tested.
D. Static testing executes the code to verify the functionality is as expected.

Answer: A

NEW QUESTION 141
- (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 143
- (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 146
- (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 150
- (Exam Topic 3)

Which of the following tools can be used by developers, testers and quality assurance personnel in looking for defects prior to dynamic testing?

A. Static Analysis tool
B. Modeling tool
C. Test data preparation tool
D. Configuration management tool

Answer: A

NEW QUESTION 154
- (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 157
- (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 160
- (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 163
- (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 167
- (Exam Topic 3)
Which of the following is a valid collection of equivalence classes for the following problem: "An Integer numeric field shall contain values from 1 to 80 both values inclusive"

A. Less than 0. 1 to 79, 80 and more than 80
B. Less than 0. 1 to 80, more than 80
C. Less than 1. 1 to 80, more than 80
D. Less than 1. 1 to 79, more than 80

Answer: B

NEW QUESTION 172
- (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 174
- (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 175
- (Exam Topic 3)
To which of the following test levels regression testing be applied?

A. Component TestingI
B. Integration TestingII
C. System TestingI
D. Acceptance Testing
E. II, III, IV
F. I, II
G. I, II, III
H. I, II, III, IV

Answer: C

NEW QUESTION 177
- (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 181
- (Exam Topic 3)
Which of the following statements is the best explanation why software failures can be caused by environmental conditions?

A. Factors like magnetism, radiation and even pollution can affect electronic devices and the performance of their embedded real time software
B. Environmental conditions only affect the hardware - not the software
C. If the hardware on which the software application is running under ambient temperature and humidity, no failures can be linked to environmental conditions
D. Extreme heat and vibrations exerted on storage media can cause errors in algorithms and program flows

Answer: D

NEW QUESTION 184
- (Exam Topic 3)
A holiday club restricts those booking the holiday, to people between the ages of 18 and 30 inclusive. Using three-point boundary values, what ages would be required to test the lower and upper boundary?

A. 17, 18, 19, 29, 30, 31.
B. 17, 18, 19, 30, 31, 32.
C. 18, 19, 20, 28, 29, 30.
D. 16, 17, 18, 30, 31, 32.

Answer: A

NEW QUESTION 185
- (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 190

- (Exam Topic 3)
Which of the following statements about test reports are TRUE?

A. Test reports shall be approved by the test team.I
B. Test reports shall give stakeholders information as basis for decisionsII
C. Test reports shall summarize what happened through a period of testing,I
D. Test reports shall be approved by the development team, the test team and the customer
E. Test reports shall include information about remaining risks.
F. II,1V
G. I
H. II
I. IV
J. I, II
K. V
L. II, II
M. V

Answer: A

NEW QUESTION 192
- (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 193
- (Exam Topic 3)
You are introducing a new test tool into your organization and planning a pilot project. What is a MAIN objective of this pilot project?

A. To immediately save cost for current projects in your organisation
B. To show competitors that your organisation is improving its test process
C. To motivate the test team and make testers feel valued
D. To learn more detail about the tool and how it fits with existing processes

Answer: A

NEW QUESTION 196
- (Exam Topic 3)
Your task is to compile a test execution schedule for the current release of software. The system specification states the following logical dependencies:
• An admin user must create/amend/delete a standard user.
• A standard user is necessary to perform all other actions.
The test plan requires that re-tests must be performed first, followed by the highest priority tests. To save time, the test plan states that tests should be scheduled to create test data for the subsequent tests in the schedule.
The following test cases have been designed, with an indication of priority (1 being the highest priority) and whether the test has previously failed.

Id	Description	Priority	Failed
a	Loq in as standard user and create customer account	2	Y
b	Order one item	3	N
c	Create invoice for order	1	Y
d	Order two items or more	3	Y
e	Loq in as admin user and create a standard user	2	N

Which test execution schedule meets the test plan requirements and logical dependencies?

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

Answer: C

NEW QUESTION 197
- (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 200
- (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 202
- (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 205
- (Exam Topic 3)
What type of testing is important after Migration, retirement or enhancement of an existing system?

A. Regression testing
B. Operational acceptance testing
C. System Testing
D. Maintenance testing

Answer: B

NEW QUESTION 210
- (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 212
- (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 216
- (Exam Topic 3)
Which of the following are triggers for Maintenance testing?
a) System migration from one platform to another.
b) Retirement of a system.
c) Preparation for an audit of a system.
d) Modifications to a system.
e) Development of a whole new system.
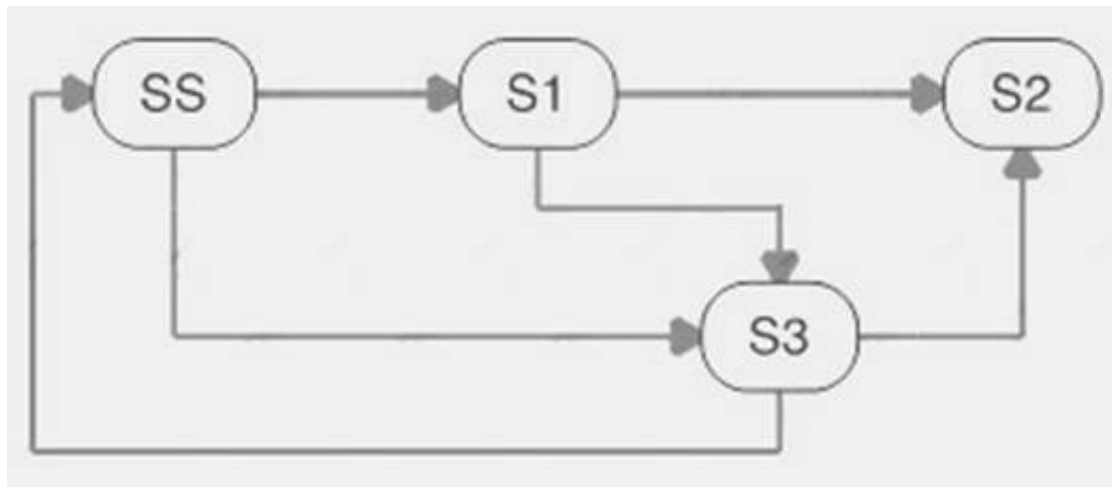
A. a, c and d.
B. b, c and e.
C. a, d and e.
D. a, b and d.

Answer: A

NEW QUESTION 218
- (Exam Topic 3)
Given the following state transition diagram where SS is the start state:

Which of the following answers describes a test case that only uses valid transitions to exercise all states, using the minimum number of transitions?

A. SS-S3-SS-S1-S3-S2.
B. SS-S3-S2-S1.
C. SS-S1-S2-S3.
D. SS-S1-S3-S2.

Answer: D

NEW QUESTION 223
- (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 226
- (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 231
- (Exam Topic 3)
A new testing tool has been selected for an organisation and a pilot project has successfully completed. The next step is to deploy the tool within the organization.
What is a key success factor in tool deployment?

A. Estimate a cost-benefit ratio based on a firm business case
B. Determine whether benefits will be achieved at reasonable cost
C. Provide support for the test team using the tool
D. Assessment of organisational maturity, strengths and weaknesses

Answer: A

NEW QUESTION 236
- (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 239
- (Exam Topic 3)
Which of the following BEST describes a methodical approach to the Error Guessing test technique?

A. A tester dynamically designs and executes tests based on their knowledge, exploration of the test item and the results of previous tests.
B. An experienced tester makes a list of potential defects and failures, and designs and runs tests to generate these failures should the defects be present in the code.
C. A tester designs, implements and executes tests to cover test conditions found in checklists that are based on what is important for the user.
D. An inexperienced tester is asked to attempt to guess errors that may have been missed by experienced testers during formal test design.

Answer: A

NEW QUESTION 244
- (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 245
- (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 246
- (Exam Topic 3)
Which of the following correctly describes the goal of Statement Testing?

A. Reduce the number of tests needed to test the system
B. Assess of the correctness of key statements in each module of the application
C. Increase the percentage of executable statements that are exercised by a test set
D. Assess the number of code statements needed to implement each feature

Answer: C

NEW QUESTION 249
- (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 250
- (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 255
- (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 258
- (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 260
- (Exam Topic 3)
Agile development can be classified as which life cycle model?

A. Agile development is not related to any life cycle model
B. RAD
C. V model
D. Iterative Incremental .

Answer: D

NEW QUESTION 265
- (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 266
- (Exam Topic 3)
What of the following statements regarding walkthrough are NOT true?

A. A walkthrough is lead by a moderator and requires pre-meeting preparation and post meeting follow up
B. A walkthrough may take the form of scenarios, dry runs and peer group review
C. The purpose of a walkthrough is to establish common understanding of a document and to find possible defects in it
D. Pre-meeting preparation, documentation and distribution of results are optional for a walkthrough

Answer: A

NEW QUESTION 269
- (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 272
- (Exam Topic 3)
Which of the following are correct tasks during "Test analysis and design"?

A. Designing and prioritizing test casesII Identifying any required infrastructure and toolsII

B. Reviewing the test basisIV Creating test data and preparing test harnesses
C. Writing automated test scripts
D. II, III, IV, V
E. I, III IV
F. I, I
G. III
H. I, II

Answer: C

NEW QUESTION 277
- (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 281
- (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 284
- (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 285
- (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 290
- (Exam Topic 3)
A software system checks age in order to determine which welcome screen to display Age groups are
Group I: 0-12
Group II: 13-18 Group III: over 18
Which of the below represent boundary values?

A. (0, 12, 13,18,19)
B. (-1,0,11,12,13,14,18,19)
C. (4,5,15,20)
D. (-1.0,12,13,18,19)

Answer: D

NEW QUESTION 293
- (Exam Topic 3)
During which stage of the fundamental test process is the testability of requirements evaluated?

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

Answer: D

NEW QUESTION 298
- (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 300
- (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 303
- (Exam Topic 3)
Which of the following statements about test execution effort is true?

A. An increase in number of testers always reduces testing time.
B. A large number of test repetitions mean less test execution effort.
C. The test execution effort is independent of the number of test environments.
D. The test case execution effort is dependent on the build quality.

Answer: D

NEW QUESTION 304
- (Exam Topic 3)
A program is used to control a manufacturing line (turn machines on and off. start and stop conveyor belts,
add raw materials to the flow, etc.)
Not all actions are possible at all times For example, there are certain manufacturing stages that cannot be stopped - unless there is an emergency. A tester attempts to evaluate if all such cases (where a specific action is not allowed) are covered by the tests. Which coverage metric will provide the needed information for this analysis?

A. Branch Coverage
B. Statement coverage
C. Data flow coverage
D. Code coverage

Answer: B

NEW QUESTION 305
- (Exam Topic 3)
Which of the following would you NOT expect to see on an incident report from test execution?

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

Answer: B

NEW QUESTION 309
- (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 311
- (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 312
- (Exam Topic 3)
Which of the following would be LEAST appropriate as part of an incident report covering the observation of a failure during testing?

A. The expected result for the list friends response time was less than 10 seconds, whereas the average response time obtained was 13 seconds.
B. The user interface was complicated and confusing and I found it quite difficult to follow the test script.
C. The updates made as part of the add new member' function did not reflect the expected change as the name was written into the address field.
D. SQL injection into the username entry field allowed a variety of SQL commands to be executed by the application without the appropriate authority

Answer: A

NEW QUESTION 316
- (Exam Topic 3)
A system is being enhanced to simplify screen navigation for users. Which of the following does NOT reflect structural testing?

A. To test all paths that users could take through the screen menu system
B. To ensure that 100% decision testing is achieved for each system component
C. To test all branches of component calls within the application call graph
D. To ensure that users can navigate to all fields on the screen

Answer: C

NEW QUESTION 319
- (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 322
- (Exam Topic 3)

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

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

Answer: A

NEW QUESTION 325
- (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 327
- (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 328
- (Exam Topic 3)
Which of the following is a key difference between black box and white box test design techniques?

A. Black box techniques use software code to derive test cases, white box techniques do not.
B. White box techniques use functional design specifications to derive test cases, black box techniques do not.
C. White box techniques can measure the extent of code coverage, black box techniques can not.
D. White box techniques derive test cases from models of the software, black box techniques do not.

Answer: C

NEW QUESTION 330
- (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 334
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