

CTFL_Syll2018 Dumps

ISTQB Certified Tester Foundation Level (Syllabus 2018)

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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)

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)

Given the following requirement:

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

Which of the following statements is NOT correct?

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

Answer: A

NEW QUESTION 4

- (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 5

- (Exam Topic 1)

The following program part is given: IF (condition A)
then DO B
END IF

How many test cases are necessary in order to achieve 100% statement coverage?

- A. 1
- B. 2
- C. 4
- D. a very high number

Answer: B

NEW QUESTION 6

- (Exam Topic 1)

Which of the following is an example of black-box dynamic testing?

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

Answer: C

NEW QUESTION 7

- (Exam Topic 1)

Which of the following is NOT an example of a typical risk-based testing activity?

- A. The evaluation of a risk-management tools to decide which tool to use for future projects
- B. The focus of testing is shifted to an area in the system where tests find with more defects than expected
- C. Brainstorming sessions are held with a wide variety of stakeholders to identify possible failures in the system
- D. Tests are prioritized to ensure that those associated with critical parts of the system are executed earlier

Answer: B

NEW QUESTION 8

- (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 9

- (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 10

- (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 10

- (Exam Topic 1)

A Software was re-deployed because the backend database was changed from one vendor to another. The Test Manager decided to perform some functional tests on the redeployed system. This is an example of test of which test type?

- A. Regression tests
- B. Non-functional tests
- C. Structural tests
- D. Unit tests

Answer: A

NEW QUESTION 14

- (Exam Topic 1)

Out of the following, what is not needed to specify in defect report?

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

Answer: A

NEW QUESTION 17

- (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 20

- (Exam Topic 1)

"Statement Testing" is part of;

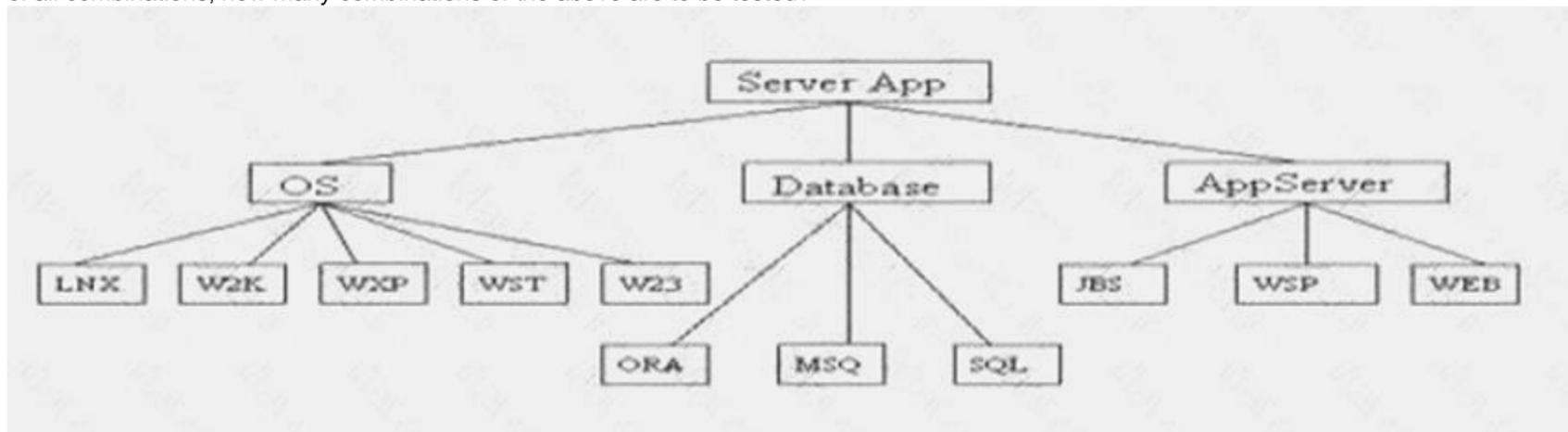
- A. Experience based testing
- B. Decision Testing
- C. Specification Based testing
- D. Structured based testing

Answer: D

NEW QUESTION 23

- (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 27

- (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 29

- (Exam Topic 1)

Which of the following is NOT an example of a common test metric?

- A. Percentage of work done in test environment creation
- B. Average number of expected defects per requirement
- C. Number of test cases run
- D. Deviation from test milestone dates

Answer: D

NEW QUESTION 34

- (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 35

- (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 36

- (Exam Topic 2)

When should testers be involved in reviewing a UAT specification? [K1]

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

Answer: C

NEW QUESTION 40

- (Exam Topic 2)

The Cambrian Pullman Express has special ticketing requirements represented by the partial decision table below.

Refer to the exhibit

Conditions	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6
First Class ticket	Y	N	N	N	Y	N
Std Class Flexible ticket	N	Y	N	N	N	Y
Std Class Day Return	N	N	Y	N	N	N
Std Class Super Saver	N	N	N	Y	N	N
Railcard holder	N	N	N	N	Y	Y
Actions						
OK to travel	Y	N	N	N	Y	N
Eligible for upgrade	N	Y	N	N	N	Y
Concessionary fare	N	N	N	N	Y	Y

Carol has a student railcard and is travelling on a Flexible Standard Class ticket. James has a senior railcard and is travelling on a super saver ticket. Which of the options represents the correct actions for these two test cases? [K3]

- A. Carol is eligible to upgrade; James cannot use the service
- B. Carol is OK to travel; James is eligible for an upgrade
- C. Carol and James are both eligible to upgrade
- D. Carol is OK to travel; James cannot use the service

Answer: A

NEW QUESTION 41

- (Exam Topic 2)

How does software testing contribute to the quality of delivered software? [K2]

- A. By detecting and removing all the defects in the delivered code and ensuring that all tests adhere to the quality standards set for the project
- B. By measuring reliability of the software and ensuring that it is always above 99.99%
- C. By identifying root causes of defects from past projects and using the lessons learned to improve processes and thus help to reduce the defect count
- D. By detecting all deviations from coding good practice and ensuring that these are corrected

Answer: C

NEW QUESTION 44

- (Exam Topic 2)

Why is independent testing important? [K1]

- A. Because independent testers make fewer assumptions than developers
- B. Because independent testers are isolated from the development team

- C. Because independent testers can verify assumptions made during specification and implementation of the system
- D. Because independent testers have a greater sense of responsibility for quality than developers

Answer: C

NEW QUESTION 46

- (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 47

- (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 48

- (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 50

- (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 54

- (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 55

- (Exam Topic 2)

Which of the following are valid test objectives? (i)Finding defects.
(ii)Gaining confidence about the level of quality and providing information. (iii)Preventing defects.
(iv) Debugging the code.

- A. i, ii and iii
- B. i, ii and iv
- C. ii and iii
- D. i and iv

Answer: A

NEW QUESTION 59

- (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 60

- (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 64

- (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 65

- (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 68

- (Exam Topic 2)

What are metrics NOT used for?

- A. To identify the percentage of work done in test environment preparation.
- B. To identify the percentage of work done in test case preparation.
- C. To apply to the RAD development model.
- D. To measure whether dates of test milestones were met.

Answer: C

NEW QUESTION 69

- (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 71

- (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 76

- (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 81

- (Exam Topic 2)

In a system designed to work out the employee tax to be paid:

- _ An employee has \$4,000 of salary tax free.
- _ The next \$1,500 is taxed at 10%.
- _ The next \$28,000 after that is taxed at 22%.
- _ Any further amount is taxed at 40%.

Which of these is a valid Boundary Value Analysis test case?

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

Answer: C

NEW QUESTION 85

- (Exam Topic 2)

Which of the following metrics could be used to monitor progress along with test preparation and execution? [K1]

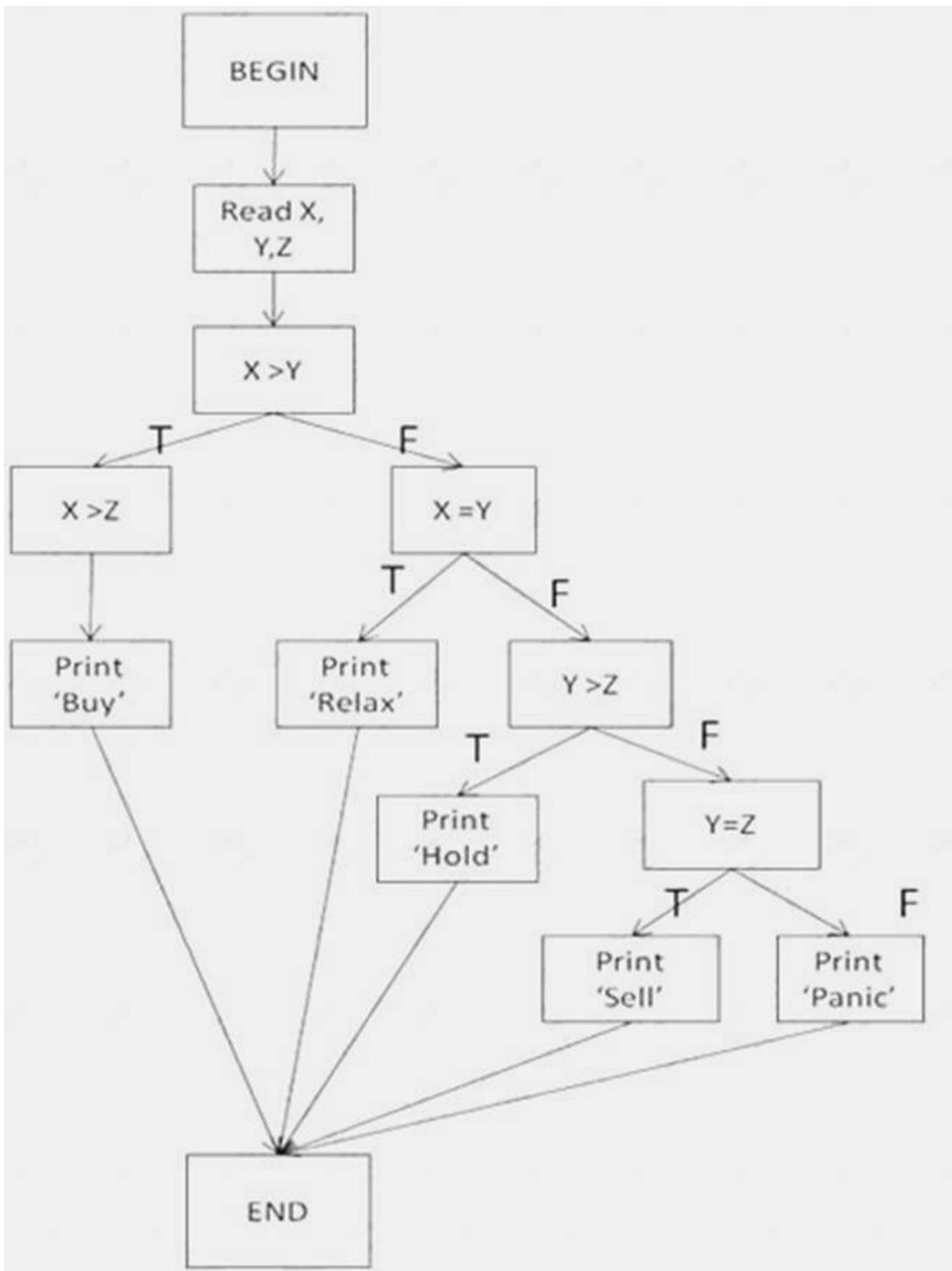
- A. The total number of tests planned
- B. The total number of requirements to be tested
- C. The failure rate in testing already completed
- D. The number of testers used for test execution so far

Answer: C

NEW QUESTION 86

- (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 88

- (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 90

- (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 94

- (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 99

- (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, and generates 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 101

- (Exam Topic 2)

Which of the following test design techniques is not a black box technique?

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

Answer: D

NEW QUESTION 106

- (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 111

- (Exam Topic 2)

Which of the following best describes the Black-box technique?

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

Answer: D

NEW QUESTION 115

- (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 118

- (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 119

- (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 123

- (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 128

- (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 129

- (Exam Topic 2)

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

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

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

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

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

Answer: C

NEW QUESTION 130

- (Exam Topic 2)

Which of the following would typically be identified using static analysis by tools? [K1]

- A. Spelling mistake on an error message
- B. A potential infinite loop
- C. Memory leakage
- D. A variable set to the wrong value

Answer: B

NEW QUESTION 133

- (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 135

- (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.

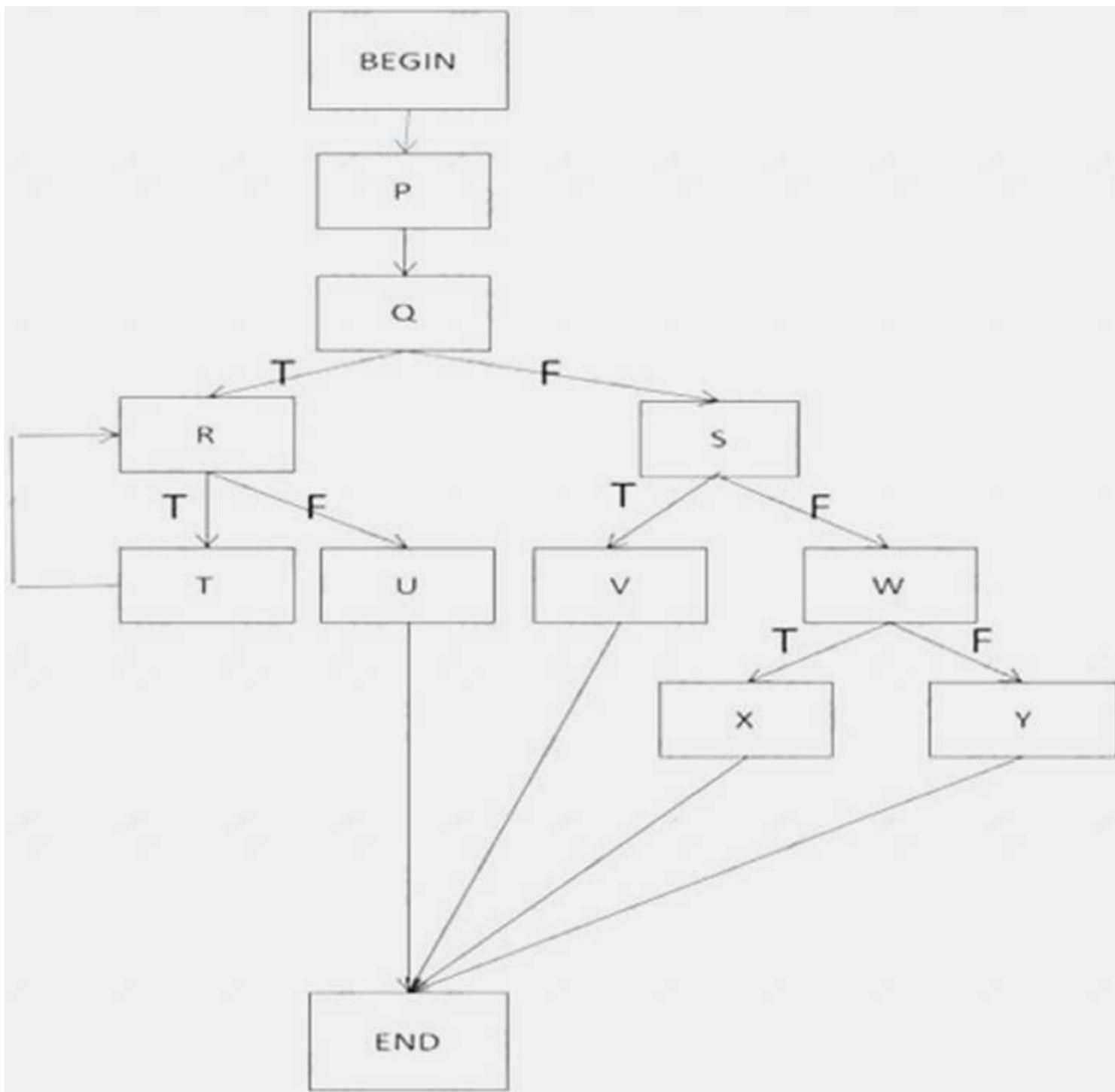
Answer: A

NEW QUESTION 137

- (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 139

- (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 143

- (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 148

- (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 151

- (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 154

- (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 the SDLC (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 159

- (Exam Topic 3)

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

- A. Test Execution.
- B. Test Planning.
- C. Test Design.
- D. Test Analysis.

Answer: D

NEW QUESTION 163

- (Exam Topic 3)

Tests have been specified for the latest software release and users have prioritised these.

However, there are some dependencies between tests as shown in the table below (e.g. Test ID. '123' cannot be run until Test ID. '456' has been successfully completed).

Test ID.	Description	Prioritisation	Dependency
1	List all users on screen	Low	
2	Regression test of daily processing	Medium	
3	Create an invoice	High	4
4	Change user details	Medium	1
5	Print all outstanding invoices	High	
6	Chase all outstanding invoices	Medium	5
7	Regression test of weekly processing	High	2
8	Amend invoice details	Medium	3
9	Bank reconciliation processing	Medium	3
10	Mark invoice as paid	High	9

Which test execution schedule best meets the prioritisation and dependency conditions?

- A. 3, 5, 7, 10, 2, 4, 6, 8, 9, 1.
- B. 5, 7, 4, 3, 9, 10, 1, 6, 8, 2.
- C. 6, 1, 2, 9, 4, 3, 5, 7, 8, 10.
- D. 1, 4, 3, 5, 2, 7, 9, 10, 6, 8.

Answer: D

NEW QUESTION 166

- (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 168

- (Exam Topic 3)

Integration testing has following characteristics.

- A. It can be done in incremental mannerI
- B. It is always done after system testingII
- C. It includes functional testsIV It includes non-functional tests
- D. I and IV are correct
- E. I III and IV are correct
- F. TI is correct
- G. II and III are correct

Answer: B

NEW QUESTION 170

- (Exam Topic 3)

Which of the following is an example of Static testing?

- A. Calculating path coverage using tools
- B. Performance testing
- C. Requirements review
- D. Usability testing

Answer: A

NEW QUESTION 175

- (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 177

- (Exam Topic 3)

Given the following decision tables, what is the expected result for the test case listed below?

	Rule 1	Rule 2	Rule 3	Rule 4
Condition				
< 10 kg	True	True	False	False
< £10	True	False	True	False
Action				
Must pay in cash only	True	False	True	False
Free delivery	False	False	True	True

Test Case: Purchase a Toaster weighing 9kg for £10.

- A. No need to pay in cash, no free delivery.
- B. Must pay in cash, no free delivery.
- C. No need to pay in cash, free delivery.
- D. Must pay in cash, free delivery.

Answer: A

NEW QUESTION 182

- (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 183

- (Exam Topic 3)

For a given set of test-cases, which of the following is a benefit of running these tests with a test automation tool?

- A. Test coverage is increased.
- B. The number of found bugs is reduced.
- C. The total cost of the test project always decreases
- D. The time spent on repetitive tasks is reduced

Answer: D

NEW QUESTION 187

- (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 189

- (Exam Topic 3)

Which of the following is by definition a reactive test approach?

- A. Risk-based testing
- B. Automation of regression tests
- C. Exploratory testing
- D. Requirements-based testing

Answer: C

NEW QUESTION 192

- (Exam Topic 3)

Which test design technique can be used for effectively testing system requirements consisting of logical conditions?

- A. Boundary value analysis
- B. Use case testing
- C. Equivalence partitioning
- D. Decision table testing

Answer: A

NEW QUESTION 197

- (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 199

- (Exam Topic 3)

A car insurance policy has 3 rates of insurance depending on the age of the driver. For drivers aged between 17 and 25 inclusive they are charged at rate A, drivers aged between 26 and 50 inclusive are charged at rate B and those drivers aged over 50 are charged at rate C.

You are designing test cases, which of the following three ages would test all valid equivalence partitions and therefore test rate A, B and C?

- A. 26, 45, 50.
- B. 10, 21, 55.
- C. 20, 35, 65.
- D. 17, 25, 50.

Answer: C

NEW QUESTION 202

- (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,IV
- G. I
- H. II
- I. IV
- J. I, II
- K. V
- L. II, II
- M. V

Answer: A

NEW QUESTION 203

- (Exam Topic 3)

Which of the following represents good testing practice for testers, irrespective of the software lifecycle model used?

- A. They should start test analysis when the corresponding development level is complete
- B. They should be involved in reviewing requirements or user stories as soon as drafts are available
- C. They should ensure that the same test objectives apply to each test level
- D. They should minimize the ratio of development levels to test levels to reduce project costs

Answer: D

NEW QUESTION 207

- (Exam Topic 3)

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

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

Answer: A

NEW QUESTION 210

- (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	Log 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	Log 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 212

- (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 215

- (Exam Topic 3)

When a test case is created based on a Use Case, what type of test is created?

- A. Structural Test
- B. Functional Test
- C. Performance test
- D. Regression Test

Answer: A

NEW QUESTION 219

- (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 224

- (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 225

- (Exam Topic 3)

Which of the following is a defect that is more likely to be found by a static analysis tool than by other testing techniques?

- A. Omission of a major requirement
- B. Inadequate decision coverage
- C. Component memory leakage
- D. Variables that are not used improperly declared

Answer: D

NEW QUESTION 227

- (Exam Topic 3)

When can functional and structural testing BOTH be applied?

- A. System and Component test levels only
- B. All 'Development' test levels, i.

- C. those before Acceptance testing
- D. Component and Component integration test levels only
- E. All test levels

Answer: D

NEW QUESTION 231

- (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 developers who are familiar with the system's structure.
- B. configuration management tool
- C. test design tool
- D. monitoring tool

Answer: A

NEW QUESTION 234

- (Exam Topic 3)

A student needs to score at least 50 points to pass. If they score at least 100 points they will achieve a merit and if they score at least 150 points they will achieve a distinction.

Which two values are in the same partition?

- A. 45 and 55.
- B. 55 and 120.
- C. 50 and 60.
- D. 45 and 170.

Answer: C

NEW QUESTION 237

- (Exam Topic 3)

You have been asked to improve the way test automation tools are being used in your company. Which one of the following is the BEST approach?

- A. Selecting and automating scripts that test new functionality to find the most defects
- B. Using a keyword-driven testing approach to separate the actions and data from the tool's script
- C. Ensuring that all data, inputs and actions are stored in the tool's script for ease of maintenance
- D. Keeping expected results separate from the automation tool to allow the testers to check the results

Answer: A

NEW QUESTION 239

- (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 244

- (Exam Topic 3)

Which of the following test types are non-functional tests?

- I) Acceptance test
- II) Regression test
- III) Stress test
- IV) Component test
- V) Reliability test

- A. I, III and V
- B. II and IV
- C. I
- D. III and V
- E. III and V

Answer: B

NEW QUESTION 248

- (Exam Topic 3)

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

- A. Infinite loops
- B. Wrong business rules

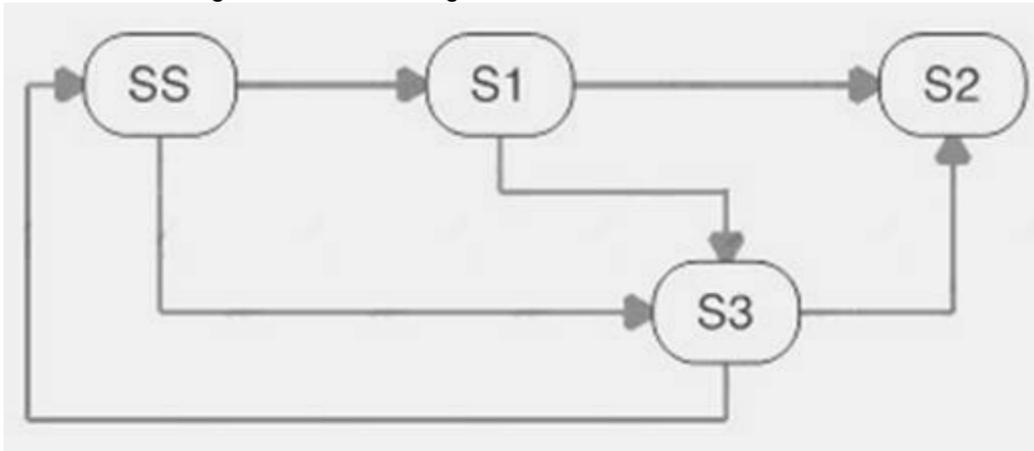
- C. Syntax errors of the code
- D. Undefined variables

Answer: B

NEW QUESTION 249

- (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 251

- (Exam Topic 3)

Which of the following DOES NOT describe "component testing"?

- A. Component testing tests interfaces between modules and interactions of different parts of a system.
- B. Component testing occurs with access to the code being tested and with the support of a development environment, such as a unit test framework or debugging tool
- C. Component testing verifies the functioning o
- D. software modules, programs, objects, classes, etc.. that are separately testable.
- E. In component testing stubs, drivers and simulators may be usefully utilized to facilitate tester activity

Answer: D

NEW QUESTION 253

- (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 256

- (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 260

- (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 263

- (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 264

- (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 265

- (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 266

- (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 269

- (Exam Topic 3)

Choose below the best characterization of the difference between black-box testing and white-box testing

- A. For black-box testing, the testers do not need to know the test object in advance
- B. For white-box testing, the testers have to consult specifications and developers before running any tests
- C. Black box testing uses static analysis
- D. White box testing uses dynamic analysis
- E. Black-box testing is based on the test basis documentation
- F. White-box testing is based on an analysis of the code itself.
- G. Black-box testing is based on an analysis of the code itself. White-box testing is based on the test basis.

Answer: C

NEW QUESTION 273

- (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 274

- (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 279

- (Exam Topic 3)

Which of the following is a key characteristic of informal reviews?

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

Answer: B

NEW QUESTION 283

- (Exam Topic 3)

Which of the following statements is true?

- I) Test planning activities include selecting the test object
- II) Test strategy implementation is NOT a part of test planning
- III) Choosing appropriate test techniques is part of test design
- IV) Test schedule and exit criteria modification are part of test planning

- A. I, II
- B. II, III
- C. I,IV
- D. II
- E. IV

Answer: C

NEW QUESTION 286

- (Exam Topic 3)

Which of the following are product risks?

- a) Failure prone software delivered.
- b) Software does not perform its intended functions.
- c) Insufficient staff available for testing.
- d) Test environment not ready on time.
- e) Poor data integrity and quality.

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

Answer: C

NEW QUESTION 290

- (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 295

- (Exam Topic 3)

A "functional test" is...

- A. ... a test focused on the efficiency of the system
- B. ... a dynamic test for which the tests are based on the specification of the test object.
- C. ... a static comparison of test and requirements specification of a test object
- D. ... a test for which the test cases and test data are based on the structure of the test object

Answer: B

NEW QUESTION 299

- (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 303

- (Exam Topic 3)

Why is measurement of code coverage Important?

- A. Because 100% code coverage implies 100% coverage of requirements
- B. Because 100% code coverage guarantees that there are no coding errors
- C. Because code coverage can be used to ensure that all code is exercised by tests
- D. Because code coverage can ensure that all decisions are correctly implemented in the code

Answer: A

NEW QUESTION 306

- (Exam Topic 3)

What is a peer review?

- A. An informal review without moderator
- B. A review done by developers and testers together
- C. A review done by developers only
- D. A review done by colleagues at the same organizational level

Answer: C

NEW QUESTION 308

- (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 312

- (Exam Topic 3)

What is a defect density?

- A. The percentage of defects identified over the total number of test cases
- B. The deviation rate of the system from its expected behavior
- C. The ratio of the defects identified in these system over the expected number of total defects
- D. The number of defects identified in the system under test divided by the size of the system

Answer: C

NEW QUESTION 316

- (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 318

- (Exam Topic 3)

Which of the following is a correct statement about informal reviews?

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

Answer: D

NEW QUESTION 319

- (Exam Topic 3)

Which of the following is an approach that can be used for exploratory testing?

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

Answer: D

NEW QUESTION 320

- (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 323

- (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 328

- (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 332

- (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 333

- (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 335

- (Exam Topic 3)

Which of the following would be a key difference between a peer review of code and static analysis of code using a tool?

- A. A peer reviews finds defects while static analysis finds failures
- B. Peer reviews cannot find missing requirements whereas static analysis can
- C. A peer reviews find failures while static analysis finds defects
- D. Static analysis targets the code technically whereas Peer review is applicable to further aspects.

Answer: D

NEW QUESTION 336

- (Exam Topic 3)

In which of the following test documents would you expect to find test exit criteria described?

- A. Test plan
- B. Project plan
- C. Test design specification
- D. Requirements specification

Answer: C

NEW QUESTION 338

- (Exam Topic 3)

You need to test the login page of a web site The page contains fields for user name and password Which test design techniques are most appropriate for this case?

- A. Decision table testing, state transition testing.
- B. Equivalence partitioning, Boundary value analysis.
- C. Exploratory testing, statement coverage.
- D. Decision coverage, fault attack.

Answer: A

NEW QUESTION 341

- (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 346

- (Exam Topic 3)

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

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

Answer: D

NEW QUESTION 350

- (Exam Topic 3)

Which of the following apply to System Testing?

- a) May satisfy legal requirements.
- b) Can use system specifications as a test basis.
- c) Often the responsibility of business users.
- d) Main goal is to establish confidence.
- e) Should focus on the communication between systems.

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

Answer: B

NEW QUESTION 352

- (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 356

- (Exam Topic 3)

A company purchased a new system which deals with all financial transactions in the company Which test types call for involvement of an expert from the financial department?

- A. Component testing
- B. Acceptance tests
- C. Maintenance testing
- D. System tests

Answer: D

NEW QUESTION 361

- (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 364

- (Exam Topic 3)

Your company is developing a system with complex business rules and many branches in the structure of its code components. You need to choose one black box technique and one white box technique for test case design.

Which one of the following offers the BEST choice?

- A. Statement testing and exploratory testing
- B. Decision testing and equivalence partitioning
- C. Decision testing and decision table testing
- D. Boundary value analysis and decision table testing

Answer: D

NEW QUESTION 367

- (Exam Topic 3)

Which of the following statements is true?

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

Answer: A

NEW QUESTION 370

- (Exam Topic 3)

Software was found to take much more time than the stated requirement of less than one second to save a file. Upon investigation it was found that there was an unnecessary check inside a loop which was slowing down the file-save operation. The software not being able to meet the desired response time is an example of

- A. Failure
- B. Defect
- C. Error
- D. It is not a defect

Answer: A

NEW QUESTION 374

- (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 375

- (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 376

- (Exam Topic 3)

Which two of the following statements are true?

- A. Software testing can be necessary to fulfill legal or contractual obligations.
- B. Software testing is done to essentially increase the quality of developers.
- C. Intensive testing can help reduce risks and problems during operation
- D. Intensive testing is used to prove correctness.
- E. C and D are true
- F. A and B are wrong.
- G. A and C are true
- H. B and D are wrong
- I. B and D are true
- J. A and C are wrong
- K. B and C are true, A and D are wrong

Answer: D

NEW QUESTION 377

- (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 381

- (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 384

- (Exam Topic 3)

Which statement about use case testing is true?

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

Answer: B

NEW QUESTION 387

- (Exam Topic 3)

What is the order in which the specifications for test cases, test conditions and test procedures are developed as a part of the test development process?

- A. Test Procedure --> Test Condition -> Test Case
- B. Test Condition --> Test Case --> Test Procedure
- C. Test Procedure -> Test Case -> Test Condition
- D. Test Condition --> Test Procedure --> Test Case

Answer: A

NEW QUESTION 391

- (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 392

- (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 397

- (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 401

- (Exam Topic 3)

A program got 100% decision coverage in a test. Which of the following statements is then guaranteed to be true?

- A. Every output equivalence class has been tested.
- B. Every input equivalence class has been tested.
- C. The "dead" code has not been covered.
- D. Every executable statement is covered

Answer: D

NEW QUESTION 406

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