

## Exam Questions CTFL-Foundation

Certified Tester Foundation Level

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#### NEW QUESTION 1

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

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

**Answer:** C

#### NEW QUESTION 2

Which of the following is a characteristic of good testing in any life cycle model? 1 credit

- A. Analysis and design of tests begins as soon as development is completed.
- B. Some, but not all, development activities have corresponding test activities.
- C. Each test level has test objectives specific to that level.
- D. All document reviews involve the development team

**Answer:** C

#### NEW QUESTION 3

Risks should be constantly reviewed. Given the current situation, which one of the following factors is most likely to lead to a revised view of product risk? 3 credits

- A. The concerns over the user interface may lead to changes to the interface which cannot be implemented by development in time for the second test iteration.
- B. The concerns over the user interface raises the likelihood of a risk in that area and increases the amount of test effort needed for the user interface, thereby limiting the test effort available for other parts of the test management tool.
- C. The delivery of the application without the interface changes may upset the user community.
- D. The method used for test estimation is not accurate enough and hence the money spent on testing exceeded its budget

**Answer:** B

#### NEW QUESTION 4

You have been asked to write a testing strategy for the company. Which statement best explains how risk can be addressed within the testing strategy? 1 credit

- A. A test strategy should address identified generic product risks and present a process for mitigating those risks in line with the testing policy.
- B. A test strategy identifies the specific product for a project risk and defines the approach for the test project.
- C. A test strategy is derived from the test policy and describes the way risk assessments are performed in projects.
- D. A test strategy is the result of a project risk analysis and defines the approach and resources for testing

**Answer:** A

#### NEW QUESTION 5

In addition to introducing the new team member, you have decided to raise motivation. Which of the measures listed below would be the best measure to take in order to increase the motivation of the team? 2 credits

- A. Provide more time for testing in the schedule
- B. Allow people to take some time off
- C. Introduce entry criteria to the testing phase
- D. Organize a meeting with senior management in which they address the importance of good testing for this project

**Answer:** D

#### NEW QUESTION 6

Identify THREE items that would be part of the work-breakdown structure showing the key testing activities for the acceptance test project. 2 credits (for 2 out of 3 correct 1 credit)

- A. Test planning, test case preparation and test execution for each of the four iterations
- B. Work should be explicitly allocated to test completion, test management, installation and to training on using the system
- C. Activities to deploy the system in the user environment
- D. Regression testing in the second, third and fourth iterations
- E. Development activities for unit and integration testing
- F. Reviews on requirements documentation
- G. Defining test environment requirements for system testing

**Answer:** ABD

#### NEW QUESTION 7

A test assessment has been carried out using the selected model as a reference framework. A number of recommendations have been identified and you are asked to prioritize them. Based on your knowledge of the project, you are expecting severe resistance to change. Which of the following would be the most important selection criterion for defining the priority of the recommendations? 2 credits

- A. Synchronized with the overall long-term organizational strategy
- B. Defined according to the maturity model used
- C. Most visible to stakeholders
- D. Low cost actions first

Answer: C

#### NEW QUESTION 8

Comparing TMMi and TPI, which is not a valid reason for choosing either TPI or TMMi? 2 credits

- A. If the scope of test performance improvement covers all test levels, TMMi is preferred since TPI focusses mainly on black-box testing.
- B. If the organization is already applying CMMI, TMMi may be preferred since it has the same structure and uses the same terminology.
- C. TMMi addresses management commitment very strongly and is therefore more suitable to support a top-down improvement process.
- D. TPI is much more a bottom-up model that is suitable for addressing test topics for a specific (test) project.
- E. TMMi can only be used with the traditional V model, whereas TPI can be used with all types of software life cycle.

Answer: D

#### NEW QUESTION 9

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

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

Answer: CDE

#### NEW QUESTION 10

Within the projects, a master test plan and phase test plan will be used. Following is a list of characteristics applicable for test plans:

- A. Any deviation from the procedures described in the test strategy document
  - B. The overall estimated costs, timescales and resource requirements
  - C. A detailed schedule of testing activities
  - D. The development deliverables to be tested
  - E. Which test staff members (names) will be involved and when
  - F. Level of requirements coverage achieved
- Which THREE of the above mentioned characteristics relate to the master test plan? 1 credit
- G. a
  - H. b
  - I. c
  - J. d
  - K. e
  - L. f

Answer: ABD

#### NEW QUESTION 10

As part of the test strategy, entry and exit criteria will be defined for each test level. Which is NOT a valid reason for using entry and exit criteria? 1 credit

- A. The expectation is that development testing is not adequate.
- B. Exit criteria are used to decide on when to stop testing.
- C. Entry and exit criteria are a principal way for getting adequate resources.
- D. Using entry and exit criteria will prevent software that is not or poorly tested from going to the next test level.

Answer: C

#### NEW QUESTION 12

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

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

Answer: D

#### NEW QUESTION 15

The business has asked for a weekly progress report. Which of the following would be appropriate as a measure of test coverage? 2 credits

- A. Percentage of business requirements exercised
- B. Percentage of planned hours worked this week
- C. Percentage of countries that have test scenarios
- D. Percentage of test iterations completed

Answer: A

**NEW QUESTION 18**

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

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

**Answer:** D

**NEW QUESTION 20**

Regarding the process described above, what is the most important recommendation you would make using IEEE 1044 as a guide? 2 credits

- A. No priority or severity assigned
- B. Incident numbering is manual rather than automated
- C. No mentioning of reproduceability
- D. No classification on type of incident

**Answer:** A

**NEW QUESTION 23**

Relying only on the information provided in the scenario, select the TWO items and/or features for which sufficient information is available to proceed with test design. 2 credits

- A. All supported credit cards
- B. Language localization
- C. Valid and invalid advances
- D. Usability
- E. Response time

**Answer:** AC

**NEW QUESTION 25**

Security falls under..?

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

**Answer:** A

**NEW QUESTION 28**

The cost of fixing a fault:

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

**Answer:** B

**NEW QUESTION 29**

Reviewing the test Basis is a part of which phase

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

**Answer:** A

**NEW QUESTION 33**

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

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

**Answer:** D

#### NEW QUESTION 36

A test management tool is most likely to integrate with which of the following tools?

- A. Performance testing tool
- B. Test data preparation tool
- C. Static analysis tool
- D. Requirements management tool

**Answer:** D

#### Explanation:

Requirements management tools (option (D)) often have interfaces with test management tools. In some cases they will be sold as a package or in other cases a test management tool may have its own requirements module. The use of such interfaces or integrated packages aids traceability from requirements through to test scripts and defects.

Performance management tools (option (A)), test data preparation tools (option (B)) and static analysis tools (option (C)) are unlikely to have an interface or be integrated with a test management tool. They serve different purposes and therefore there is little need for such interfaces.

#### NEW QUESTION 41

According to the ISTQB Glossary, regression testing is required for what purpose?

- A. To verify the success of corrective actions.
- B. To prevent a task from being incorrectly considered completed.
- C. To ensure that defects have not been introduced by a modification.
- D. To motivate better unit testing by the programmer

**Answer:** C

#### NEW QUESTION 43

How many test cases are necessary to cover all the possible sequences of statements (paths) for the following program fragment?

Assume that the two conditions are independent of each other : -if (Condition 1)then statement 1else statement 2if (Condition 2)then statement 3

- A. 2 Test Cases
- B. 3 Test Cases
- C. 4 Test Cases
- D. Not achievable

**Answer:** A

#### NEW QUESTION 45

Tools like change Man, Clear case are used as..?

- A. functional automation tools
- B. performance testing tools
- C. configuration management tools
- D. none of the above

**Answer:** C

#### NEW QUESTION 49

Which of the following are examples of iterative development models?

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

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

**Answer:** C

#### Explanation:

The other two models are sequential models.

#### NEW QUESTION 52

Which of the following statements is the MOST valid goal for a test team?

- A. Determine whether enough component testing was executed.
- B. Cause as many failures as possible so that faults can be identified and corrected.
- C. Prove that all faults are identified.
- D. Prove that any remaining faults will not cause any failure

**Answer:** B

#### NEW QUESTION 56

Which of the following is correct? Debugging is:

- A. Testing/checking whether the software performs correctly.
- B. Checking that a previously reported defect has been corrected.
- C. Identifying the cause of a defect, repairing the code and checking the fix is correct.
- D. Checking that no unintended consequences have occurred as a result of a fix.

**Answer:** C

**Explanation:**

- A. Is a brief definition of testing.
- B. Is retesting.
- D. Is regression testing.

#### NEW QUESTION 61

Which of the following defines the expected result of a test?

- A. Test case
- B. Test procedure
- C. Test execution schedule
- D. Test condition

**Answer:** A

#### NEW QUESTION 66

The five parts of the fundamental test process have a broad chronological order. Which of the options gives three different parts in the correct order?

- A. Implementation and execution, planning and control, analysis and design.
- B. Analysis and design, evaluating exit criteria and reporting, test closure activities.
- C. Evaluating exit criteria and reporting, implementation and execution, analysis and design.
- D. Evaluating exit criteria and reporting, test closure activities, analysis and design.

**Answer:** B

**Explanation:**

All other answers have at least one stage of the fundamental test process in the wrong sequence.

#### NEW QUESTION 70

Which of the following is a benefit of test independence?

- A. It does not require familiarity with the code.
- B. It is cheaper than using developers to test their own code.
- C. It avoids author bias in defining effective tests.
- D. Testers are better at finding defects than developer

**Answer:** C

#### NEW QUESTION 71

Faults found by users are due to..?

- A. Poor quality software
- B. Poor software and poor testing
- C. Bad luck
- D. Insufficient time for testing

**Answer:** B

#### NEW QUESTION 73

Consider the following pseudo code: 1 Begin

2 Read Time

3 If Time < 12 Then

4 Print(Time, "am")

5 Endif

6 If Time > 12 Then

7 Print(Time 12, "pm")

8 Endif

9 If Time = 12 Then 10 Print (Time, "noon") 11 Endif

12 End

If the test cases Time = 11 and Time = 15 were input, what level of decision coverage would be achieved?

- A. 100% or 6/6
- B. 50% or 3/6
- C. 67% or 4/6
- D. 83% or 5/6

**Answer:** D

**Explanation:**

Test case 1 exercises the decision outcomes True, False, False

Test case 2 exercises the decision outcomes False, True, False This leaves the True outcome of decision 3 not exercised. Of the 6 possible decision outcomes, 5 have been exercised, so the decision coverage is 5/6 (about 83%).

#### NEW QUESTION 77

A software component has the code shown below: Program BiggestA,

Biggest: Integer Begin

Read A Biggest = 10 While A > 0 Do

If A > Biggest Then Biggest = A Endif

Read A Enddo End

The component has exit criteria for component testing that include 100% statement coverage. Which of the following test cases will satisfy this criterion?

- A. 10, 0
- B. 10, 5, 0
- C. 10, 11, 0

**Answer:** D

#### NEW QUESTION 81

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

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

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

**Answer:** C

#### NEW QUESTION 82

Which of the following is the main purpose of the component build and integration strategy?

- A. to ensure that all of the small components are tested
- B. to ensure that the system interfaces to other systems and networks
- C. to ensure that the integration testing can be performed by a small team
- D. to specify how the software should be divided into components
- E. to specify which components to combine when, and how many at once

**Answer:** E

#### NEW QUESTION 84

The selection of test cases for regression testing..?

- A. Requires knowledge on the bug fixes and how it affect the system
- B. Includes the area of frequent defects
- C. Includes the area which has undergone many/recent code changes
- D. All of the above

**Answer:** D

#### NEW QUESTION 86

Which of the following are static techniques?

- A. Walkthrough.
- B. State transition testing.
- C. Decision table testing.
- D. Statement testing.

**Answer:** A

#### Explanation:

Options (B), (C) and (D) are all dynamic test techniques.

#### NEW QUESTION 88

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

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

**Answer:** B

#### Explanation:

- A. is part of 'Analysis and design'.
- C. is part of 'Evaluating exit criteria and reporting'.

D. is part of 'Test closure activities'.

#### NEW QUESTION 90

Important consequences of the impossibility of complete testing are ..?

- A. We can never be certain that the program is bug free
- B. We have no definite stopping point for testing, which makes it easier for some managers to argue for very little testing
- C. We have no easy answer for what testing tasks should always be required, because every task takes time that could be spent on other high importance tasks
- D. All of the above

**Answer:** D

#### NEW QUESTION 91

Statement Coverage will not check for the following:

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

**Answer:** A

#### NEW QUESTION 95

Who is responsible for conducting test readiness review..?

- A. Project Manager
- B. Test Engineer
- C. Test Manager
- D. None of the above

**Answer:** C

#### NEW QUESTION 98

What do you mean by "Having to say NO"..?

- A. No, the problem is not with testers
- B. No, the software is not ready for production
- C. Both a & b
- D. None of the above

**Answer:** B

#### NEW QUESTION 102

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

- A. Variables that are never used.
- B. Security vulnerabilities.
- C. Poor performance.
- D. Unreachable code.
- E. Business processes not followed.
- F. b, c and d are true; a and e are false
- G. a is true; b, c, d and e are false
- H. c, d and e are true; a and b are false
- I. a, b and d are true; c and e are false

**Answer:** D

#### NEW QUESTION 104

What can a risk-based approach to testing provide?

- A. The types of test techniques to be employed.
- B. The total tests needed to provide 100 per cent coverage.
- C. An estimation of the total cost of testing.
- D. Only that test execution is effective at reducing ris

**Answer:** A

#### NEW QUESTION 106

Which is not in sequence in 11 Step Software Testing process..?

- A. Assess development plan and status
- B. Develop the test plan
- C. Test software design
- D. Test software requirement

**Answer:**

C

#### NEW QUESTION 111

Which of the following is true of iterative development?

- A. It uses fully defined specifications from the start.
- B. It involves the users in the testing throughout.
- C. Changes to the system do not need to be formally recorded.
- D. It is not suitable for developing website

**Answer: B**

#### NEW QUESTION 114

An input field takes the year of birth between 1900 and 2004. The boundary values for testing this field are:

- A. 0,1900,2004,2005
- B. 1900, 2004
- C. 1899,1900,2004,2005
- D. 1899, 1900, 1901,2003,2004,2005

**Answer: C**

#### NEW QUESTION 118

Which of the following characteristics of good testing apply to any software development life cycle model?

- A. Acceptance testing is always the final test level to be applied.
- B. All test levels are planned and completed for each developed feature.
- C. Testers are involved as soon as the first piece of code can be executed.
- D. For every development activity there is a corresponding testing activit

**Answer: D**

#### NEW QUESTION 122

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

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

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

**Answer: A**

#### Explanation:

- (i) Executing component integration tests is usually done by developers. Developers are usually responsible for unit and component integration testing. Independent testing usually follows at system and acceptance test levels.
- (ii) Static analysis is usually done by developers because: it requires an understanding of the code and therefore the person doing this needs skills in the programming language; and it can be done as soon as the code is written. Therefore it is quick and effective for the developer to do it. The risk of a lack of test independence can be mitigated by performing independent system and acceptance testing.
- (iii) Setting up the test environment is an activity typically performed by a tester. It may require support from developers and staff from other departments and on some occasions environments could be set up by developers. However, it is a task that could be done by a tester rather than a developer.
- (iv) Deciding how much testing should be automated is typically a decision made by the test leader, who will consult other staff in the decision-making process. Developers may be involved and their skills may be required to automate some tests. However, the decision on how much to automate should not be made by developers.

#### NEW QUESTION 124

Which is not the fundamental test process?

- A. Planning and control
- B. Test closure activities
- C. Analysis and design
- D. None

**Answer: D**

#### NEW QUESTION 128

Which of the following best describes the purpose of non-functional testing?

- A. To measure characteristics of a system which give an indication of how the system performs its functions
- B. To ensure that a system complies with the quality standards set by ISO 9126
- C. To ensure that the system deals appropriately with software malfunctions
- D. To measure the extent to which a system has been tested by functional testing

**Answer: A**

#### NEW QUESTION 133

Complete statement and branch coverage means..?

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

**Answer:** B

#### NEW QUESTION 134

Which of the following, if observed in reviews and tests, would lead to problems (or conflict) within teams?

- A. Testers and reviewers are not curious enough to find defects.
- B. Testers and reviewers are not qualified enough to find failures and faults.
- C. Testers and reviewers communicate defects as criticism against persons and not against the software product.
- D. Testers and reviewers expect that defects in the software product have already been found and fixed by the developer

**Answer:** C

#### NEW QUESTION 137

Which of the following types of test tool are most likely to include traceability functions?

- (i) Performance testing tool
- (ii) Requirements management tool
- (iii) Configuration management tool
- (iv) Static analysis tool

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

**Answer:** C

#### Explanation:

Requirements management tools (ii) have traceability because they enable test conditions and subsequently test scripts and defects to be traced back to requirements. Configuration management tools (iii) also need to trace the appropriate version of a test script to the release or version of a system or module. Performance monitoring tools (i) and static analysis tools (iv) are designed for specific objectives. Neither of these tools particularly need traceability functions.

#### NEW QUESTION 138

Testing should be stopped when:

- A. All the planned tests have been run
- B. Time has run out
- C. All faults have been fixed correctly
- D. Both A and C
- E. It depends on the risks for the system being tested

**Answer:** E

#### NEW QUESTION 139

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

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

**Answer:** C

#### NEW QUESTION 144

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

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

**Answer:** A

#### NEW QUESTION 146

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 testin

**Answer:** C

#### NEW QUESTION 149

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 150

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

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

**Answer:** C

#### NEW QUESTION 153

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 155

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 156

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 161

Dynamic Analysis Tools are used to:

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

**Answer:** C

#### NEW QUESTION 162

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

**Answer: C**

#### NEW QUESTION 167

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 170

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 171

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 thefailure 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 i

**Answer: D**

#### NEW QUESTION 172

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 176

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 179

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 181

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 182

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 test

**Answer: B**

#### NEW QUESTION 187

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 191

Testing effort can depend on a number of factors, which one of following is MOST likely to impact the amount of effort required?

- A. The predicted number of defects and the amount of rework required
- B. The ratio of developers to testers in the project team
- C. The planned use of a project management tool to schedule tasks
- D. The responsibilities for testers and developers being clearly defined

**Answer: C**

**NEW QUESTION 196**

Which of the following activities is appropriate to the test planning stage?

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

**Answer:** B

**NEW QUESTION 198**

Which of the following does NOT represent one of the three triggers for maintenance testing an operational system?

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

**Answer:** A

**NEW QUESTION 202**

You are examining a document which gives the precise steps needed in order to execute a test. What is the correct definition of this document?

- A. Test design specification
- B. Test condition
- C. Test procedure specification
- D. Test case specification

**Answer:** C

**NEW QUESTION 203**

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

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

**Answer:** A

**NEW QUESTION 205**

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

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

**Answer:** D

**NEW QUESTION 210**

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

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

**Answer:** D

**NEW QUESTION 211**

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 212**

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

- A. Decision table testing

- B. Exploratory testing
- C. Statement testing
- D. Error guessing

**Answer:** C

**NEW QUESTION 216**

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:** D

**NEW QUESTION 220**

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 225**

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