

Exam Questions CTFL-Foundation

Certified Tester Foundation Level

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NEW QUESTION 1

Consider the typical objectives of testing. Which of the following metrics can be used to measure the effectiveness of the testing process in achieving one of those objectives? 1 credit

- A. Average number of days between defect discovery and resolution
- B. Percentage of requirements covered
- C. Lines of code written per developer per day
- D. Percentage of test effort spent on regression testing

Answer: B

NEW QUESTION 2

Which of the following is an example of testing as part of the requirements specification phase? 1 credit

- A. A requirements review meeting
- B. A business analyst eliciting requirements
- C. Performing acceptance tests against requirements
- D. A test report showing requirements coverage

Answer: A

NEW QUESTION 3

As part of the improvement program, the organization is also looking at tool support. Which type of tool could be used to ensure higher quality of the code to be reviewed? 1 credit

- A. Review tool
- B. Test execution tool
- C. Static analysis tool
- D. Test design tool

Answer: C

NEW QUESTION 4

Identify the THREE types of formal peer reviews that can be recognized. 1 credit

- A. Inspection
- B. Management review
- C. Walkthrough
- D. Audit
- E. Technical review
- F. Informal review
- G. Assessment

Answer: ACE

NEW QUESTION 5

Which of the following would be the most significant input to estimating the time to carry out the specified testing tasks? 3 credits

- A. The skills and experience of developers to correct the failures.
- B. The standards used for the requirements specification.
- C. The metrics recorded from testing the capture-replay tool.
- D. The number of testers in the company and their grad

Answer: C

NEW QUESTION 6

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 tea

Answer: C

NEW QUESTION 7

What would be a test approach regarding the test design techniques to be applied that would fit an item with the highest risk? 2 credits

- A. Component testing: decision testing; System testing: exploratory testing
- B. Component testing: decision testing; System testing: decision table testing
- C. Component testing: statement testing; System testing: equivalence partitioning
- D. Component testing: statement testing; System testing: decision table partitioning

Answer: B

NEW QUESTION 8

You are considering involving users during test execution. In general, what is the main reason for involving users during test execution? 1 credit

- A. They are a cheap resource
- B. They have good testing skills
- C. This can serve as a way to build their confidence in the system
- D. They have the ability to also focus on invalid test cases

Answer: C

NEW QUESTION 9

Evaluate the status of the project against the defined exit criteria. Which of the following options shows the correct status? 2 credits

- A. Criteria A = OK, criteria B = OK, criteria C = OK
- B. Criteria A = NOT OK, criteria B = NOT OK, criteria C = OK
- C. Criteria A = OK, criteria B = NOT OK, criteria C = NOT OK
- D. Criteria A = NOT OK, criteria B = NOT OK, criteria C = NOT OK

Answer: B

NEW QUESTION 10

You have investigated different possibilities and selected four of them to present to IT management. Which of the proposals will you most likely give your highest recommendations? 3 credits

- A. Insourcing of test automation based on an offer from a local company ABC that has people who are specialists in system level capture-replay automation tools and they also do regular training courses in test automation methods and tool
- B. They can then work closely with Vicki.
- C. Outsourcing of test automation based on an offer from an Asian company, AsiaAutoTest, which has people who are specialists in system level capture-replay automation tool
- D. They also offer training and besides they offer to run and maintain the regression tests in the future.
- E. Internal offer from the development department of XYZ to create the regression package using CppUnit as test automation tool
- F. One of the development groups have very good experiences in automating unit tests, and they are willing to do training as well.
- G. Solution from a tool vendor offering to educate two test team members in the use of their easy-to-use test automation capture replay tool over the first 3 months and based on that build the regression test suit
- H. In addition to Vicki, Steve is the only one that has time available to be educated.

Answer: A

NEW QUESTION 10

Which aspect in the test estimate is the main risk in this project? 1 credit

- A. Quality of the specification
- B. Availability of end-users
- C. The costs of hardware and tools
- D. Unknown input quality due to third party development

Answer: D

NEW QUESTION 12

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 16

Model characteristics:

Which THREE of the below mentioned characteristics relate to TMMi? 1 credit

- A. 5 maturity levels
- B. Focussed on higher level testing
- C. 20 key areas
- D. Highly related to CMMI
- E. Continuous model
- F. Staged model
- G. Focussed on component and integration testing
- H. Is build around 12 critical testing processes

Answer: ADF

NEW QUESTION 17

Which of the following phases in the fundamental test process is considered to deliver a document which can be used as a major input for test process

improvement? 1 credit

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

Answer: D

NEW QUESTION 22

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 25

Which of the following product risks would be most effectively addressed just by static testing? 3 credits

- A. In the delivered application, one of the countries, as specified in the requirements, has not been correctly implemented.
- B. The application takes too long to process a request for additional cover.
- C. The test cases do not cover the key requirements.
- D. The successful bidder may not deliver all the required functionality on time

Answer: C

NEW QUESTION 29

Which of the following is NOT a typical key challenge for testing in a RAD based development approach? 1 credit

- A. Re-usable test scripts for (automated) regression testing
- B. Project management and control
- C. No complete requirements specification
- D. Time-boxing

Answer: B

NEW QUESTION 30

Continuing with the Scenario described in the previous question, which of the following topics would you need to address in detail in the master test plan? 3 credits

- A. An approach to regression testing
- B. A list of boundary values for "advance amount"
- C. A description of dependencies between test cases
- D. A logical collection of test cases

Answer: A

NEW QUESTION 34

Which of the following is a structure-based (white-box) technique?

- A. Decision table testing
- B. State transition testing
- C. Statement testing
- D. Boundary value analysis

Answer: C

Explanation:

All other options are specification-based (black-box) techniques, and the main distracter is answer (A) because decision table testing could be confused with decision testing.

NEW QUESTION 35

What is the main purpose of use case testing?

- A. To identify defects in process flows related to typical use of the system.
- B. To identify defects in the connections between components.
- C. To identify defects in the system related to extreme scenarios.
- D. To identify defects in the system related to the use of unapproved programming practice

Answer: A

Explanation:

Answer (B) relates to integration testing; answer (C) could relate to boundary value analysis or performance testing, but use cases exercise typical process flows rather than extreme examples; answer (D) relates to static analysis.

NEW QUESTION 38

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 42

Code Coverage is used as a measure of what?

- A. Defects
- B. Trends analysis
- C. Test Effectiveness
- D. Time Spent Testing

Answer: C

NEW QUESTION 45

Which of the following statements contains a valuable objective for a test team?

- A. Prove that the remaining defects will not cause any additional failures.
- B. Run all of the tests that are defined for the test object as quickly as possible.
- C. Prove that all faults have been identified through thorough testing.
- D. Cause as many failures as possible so that faults can be identified and corrected

Answer: D

NEW QUESTION 46

Which is not a major task of test implementation and execution?

- A. Develop and prioritizing test cases, creating test data, writing test procedures and optionally, preparing test harness and writing automated test scripts.
- B. Logging the outcome of test execution and recording the identities and versions of the software under test, test tools and test ware.
- C. Checking test logs against the exit criteria specified in test planning.
- D. Verifying that the test environment has been set up correctl

Answer: B

NEW QUESTION 47

Designing the test environment set-up and identifying any required infrastructure and tools are a part of which phase:

- A. Test Implementation and execution
- B. Test Analysis and Design
- C. Evaluating the Exit Criteria and reporting
- D. Test Closure Activities

Answer: B

NEW QUESTION 52

Non-functional system testing includes:

- A. Testing to see where the system does not function properly
- B. Testing quality attributes of the system including performance and usability
- C. Testing a system feature using only the software required for that action
- D. Testing a system feature using only the software required for that function
- E. Testing for functions that should not exist

Answer: B

NEW QUESTION 54

Which of the following is most likely to cause failure in the implementation of a test tool?

- A. Underestimating the demand for a tool.
- B. The purchase price of the tool.
- C. No agreed requirements for the tool.
- D. The cost of resources to implement and maintain the too

Answer: C

NEW QUESTION 59

Which of the following is true about the V-model?

- A. It has the same steps as the waterfall model for software development.
- B. It is referred to as a cyclical model for software development.
- C. It enables the production of a working version of the system as early as possible.
- D. It enables test planning to start as early as possible.

Answer: D

NEW QUESTION 60

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 61

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 65

A deviation from the specified or expected behavior that is visible to end-users is called:

- A. an error
- B. a fault
- C. a failure
- D. a defect

Answer: C

NEW QUESTION 67

A new system is about to be developed. Which of the following functions has the highest level of risk?

- A. Likelihood of failure = 20%; impact value = £100,000
- B. Likelihood of failure = 10%; impact value = £150,000
- C. Likelihood of failure = 1%; impact value = £500,000
- D. Likelihood of failure = 2%; impact value = £200,000

Answer: A

Explanation:

In (B) the product of probability \times impact has the value £15,000; in (C) the value is £5,000 and in (D) it is £4,000. The value of £20,000 in (A) is therefore the highest.

NEW QUESTION 71

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 76

A washing machine has three temperature bands for different kinds of fabrics: fragile fabrics are washed at temperatures between 15 and 30 degrees Celsius; normal fabrics are washed at temperatures between 31 and 60 degrees Celsius; heavily soiled and tough fabrics are washed at temperatures between 61 and 100 degrees Celsius.

Which of the following contains only values that are in different equivalence partitions? A. 15, 30, 60

- A. 20, 35, 60

- B. 25, 45, 75
- C. 12, 35, 55

Answer: C

Explanation:

Answer (A) includes two values from the lower partition, answer (B) contains two values from the second partition, answer (D) contains one value that is invalid (out of range).

NEW QUESTION 78

Tests are prioritized so that:

- A. You shorten the time required for testing
- B. You do the best testing in the time available
- C. You do more effective testing
- D. You find more faults

Answer: B

NEW QUESTION 83

During the software development process, at what point can the test process start?

- A. When the code is complete.
- B. When the design is complete.
- C. When the software requirements have been approved.
- D. When the first code module is ready for unit testing

Answer: C

NEW QUESTION 85

In a review meeting a moderator is a person who:

- A. Takes minutes of the meeting
- B. Mediates between people
- C. Takes telephone calls
- D. Writes the documents to be reviewed

Answer: B

NEW QUESTION 90

In the MASPAR case study..?

- A. Security failures were the result of untested parts of code
- B. The development team achieved complete statement and branch coverage but missed a serious bug in the MASPAR operating system
- C. An error in the code was so obscure that you had to test the function with almost every input value to find its two special-case failures
- D. All the above

Answer: C

NEW QUESTION 94

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 99

What is the purpose of exit criteria?

- A. To identify how many tests to design.
- B. To identify when to start testing.
- C. To identify when to stop testing.
- D. To identify who will carry out the test executio

Answer: C

NEW QUESTION 104

Incorrect form of Logic coverage is:

- A. Statement Coverage
- B. Pole Coverage
- C. Condition Coverage

D. Path Coverage

Answer: B

NEW QUESTION 109

Reporting Discrepancies as incidents 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: B

NEW QUESTION 114

What if the project isn't big enough to justify extensive testing..?

- A. Use automation tool for testing
- B. Use risk based analysis to find out which areas need to be tested
- C. Both a and b
- D. None of the above

Answer: B

NEW QUESTION 119

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 121

Statement Coverage will not check for the following:

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

Answer: A

NEW QUESTION 124

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 125

When assembling a test team to work on an enhancement to an existing system, which of the following has the highest level of test independence?

- A. A business analyst who wrote the original requirements for the system.
- B. A permanent programmer who reviewed some of the new code, but has not written any of it.
- C. A permanent tester who found most defects in the original system.
- D. A contract tester who has never worked for the organization before.

Answer: D

Explanation:

In this scenario, the contract tester who has never worked for the organization before has the highest level of test independence. The three others are less independent as they are likely to make assumptions based on their previous knowledge of the requirements, code and general functionality of the original system. Note that independence does not necessarily equate to most useful. In practice most test or project managers would recruit a permanent tester who has worked on the original system in preference to a contract tester with no knowledge of the system. However, when assembling a team it would be useful to have staff with varying levels of test independence and system knowledge.

NEW QUESTION 130

Which of the following statements are true?

- (i) For every development activity there is a corresponding testing activity.
- (ii) Each test level has the same test objectives.

(iii) The analysis and design of tests for a given test level should begin after the corresponding development activity. (iv) Testers should be involved in reviewing documents as soon as drafts are available in the development life cycle.

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

Answer: D

Explanation:

Option (ii) is incorrect: each test level has a different objective.

Option (iii) is also incorrect: test analysis and design should start once the documentation has been completed.

NEW QUESTION 135

Fault Masking is:

- A. Error condition hiding another error condition
- B. Creating a test case which does not reveal a fault
- C. Masking a fault by developer
- D. Masking a fault by a tester

Answer: A

NEW QUESTION 139

Which of the following is not a part of the Test Implementation and Execution Phase?

- A. Creating test suites from the test cases
- B. Executing test cases either manually or by using test execution tools
- C. Comparing actual results
- D. Designing the Tests

Answer: D

NEW QUESTION 141

One of the roles in a review is that of moderator, which of the following best describes this role?

- A. Plans the review, runs the review meeting and ensures that follow-up activities are completed.
- B. Allocates time in the plan, decides which reviews will take place and that the benefits are delivered.
- C. Writes the document to be reviewed, agrees that the document can be reviewed, and updates the document with any changes.
- D. Documents all issues raised in the review meeting, records problems and open point

Answer: A

NEW QUESTION 142

Consider the following statements about early test design:

- A. Early test design can prevent fault multiplication
- B. Faults found during early test design are more expensive to fix
- C. Early test design can find faults
- D. Early test design can cause changes to the requirements
- E. Early test design takes more effort
- F. i, iii & iv are true
- G. ii & v are false
- H. iii is true, i, ii, iv & v are false
- I. iii & iv are true
- J. i, ii & v are false
- K. i, iii, iv & v are true, ii is false
- L. i & iii are true, ii, iv & v are false

Answer: A

NEW QUESTION 144

Which of the following is usually the test basis for integration testing?

- A. Program specification
- B. Functional specification
- C. Technical specification
- D. Requirement specification

Answer: C

Explanation:

Option (A) is used for unit testing. Option (B) is used for system testing and Option (D) is used for acceptance testing.

NEW QUESTION 146

Which statement correctly describes the public and profession aspects of the code of ethics?

- A. Public: Certified software testers shall act in the best interests of their client and employer (being consistent with the wider public interest). Profession: Certified software testers shall advance the integrity and reputation of their industry consistent with the public interest.
- B. Public: Certified software testers shall advance the integrity and reputation of the profession consistent with the public interest.
- C. Profession: Certified software testers shall consider the wider public interest in their actions.
- D. Public: Certified software testers shall consider the wider public interest in their action.
- E. Profession: Certified software testers shall participate in lifelong learning regarding the practice of their profession and shall promote an ethical approach to the practice of their profession.
- F. Public: Certified software testers shall consider the wider public interest in their action.
- G. Profession: Certified software testers shall advance the integrity and reputation of their industry consistent with the public interest.

Answer: D

Explanation:

All other answers contain an activity identified as analysis and design that is part of implementation and test execution.

NEW QUESTION 150

A bug or defect is:

- A. A mistake made by a person;
- B. A run-time problem experienced by a user;
- C. The result of an error or mistake;
- D. The result of a failure, which may lead to an error?

Answer: C

NEW QUESTION 155

Which is the best definition of complete testing..?

- A. You have discovered every bug in the program
- B. You have tested every statement, branch, and combination of branches in the program
- C. You have reached the scheduled ship date
- D. You have completed every test in the test plan

Answer: C

NEW QUESTION 158

Which of the following is not decided in the test-planning phase..?

- A. Schedules and deliverables
- B. Hardware and software
- C. Entry and exit criteria
- D. Types of test cases

Answer: D

NEW QUESTION 162

What benefits do static analysis tools have over test execution tools?

- A. Static analysis tools find defects earlier in the life cycle.
- B. Static analysis tools can be used before code is written.
- C. Static analysis tools test that the delivered code meets business requirements.
- D. Static analysis tools are particularly effective for regression testing.

Answer: A

NEW QUESTION 166

Which activities form part of test planning?

- i) Developing test cases.
- ii) Defining the overall approach to testing.
- iii) Assigning resources.
- iv) Building the test environment.
- v) Writing test conditions.

- A. i, ii & iv are true, iii & v are false.
- B. ii & iii are true, i, iv & v are false.
- C. iv & v are true, i, ii & iii are false.
- D. i, ii & iii are true iv & v are false

Answer: B

NEW QUESTION 168

Which of the following is not a quality characteristic listed in ISO 9126 Standard?

- A. Functionality
- B. Usability

- C. Supportability
- D. Maintainability

Answer: C

NEW QUESTION 170

A deviation from the specified or expected behavior that is visible to end-users is called:

- A. an error
- B. a fault
- C. a failure
- D. a defect

Answer: C

NEW QUESTION 171

Which statement below BEST describes non-functional testing?

- A. The process of testing an integrated system to verify that it meets specified requirements.
- B. The process of testing to determine the compliance of a system to coding standards.
- C. Testing without reference to the internal structure of a system.
- D. Testing system attributes, such as usability, reliability or maintainability

Answer: A

NEW QUESTION 176

Which of the following is not a major task of Exit criteria?

- A. Checking test logs against the exit criteria specified in test planning.
- B. Logging the outcome of test execution.
- C. Assessing if more tests are needed.
- D. Writing a test summary report for stakeholder

Answer: B

NEW QUESTION 178

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 182

One Key reason why developers have difficulty testing their own work is:

- A. Lack of technical documentation
- B. Lack of test tools on the market for developers
- C. Lack of training
- D. Lack of Objectivity

Answer: C

NEW QUESTION 187

Which of the following statements are TRUE?

- A. Regression testing and acceptance testing are the same
- B. Regression tests show if all defects have been resolved
- C. Regression tests are typically well-suited for test automation
- D. Regression tests are performed to find out if code changes have introduced or uncovered defects
- E. Regression tests should be performed in integration testing.
- F. A, C and D and E are true; B is false.
- G. A, C and E are true; B and D are false.
- H. C and D are true; A, B and E are false.
- I. B and E are true; A, C and D are false.

Answer: C

NEW QUESTION 191

Incidents would not be raised against

- A. Requirements
- B. Documentation

- C. Test cases
- D. Improvements suggested by users

Answer: D

NEW QUESTION 192

To test a function, the programmer has to write a , which calls the function to be tested and passes it test data:

- A. Stub
- B. Driver
- C. Proxy
- D. None of the above

Answer: B

NEW QUESTION 197

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 200

Which of the following are 'Exit Criteria?'

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

Answer: B

NEW QUESTION 204

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 209

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 214

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 219

Which of the following BEST defines static techniques? [K1]

- A. Executing the software work product
- B. Manually examining the code or project documentation
- C. Automated analysis of the code or project documentation
- D. Manual examination and automated analysis of code or project documentation

Answer: D

NEW QUESTION 224

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 227

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 232

Which of the following accurately defines the integration testing test level? [K2]

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

Answer: A

NEW QUESTION 237

A client-server system for a web development must support a minimum 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 238

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

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

Answer: D

NEW QUESTION 240

Which of the following is a consideration when deploying test execution tools? [K1]

- A. Data-driven testing cannot be used with test execution tools
- B. Recorded manual tests may become unstable in use
- C. Keyword-driven testing cannot be used with test execution tools

D. Expected results for tests are not required because the tool generates expected results

Answer: B

NEW QUESTION 243

Which of the following statements is most true about test conditions?

- A. An item or event of a component or system that can be verified by one or more test cases.
- B. The grouping of a composite set of test cases which, when tested as a whole, reveal a positive or negative result.
- C. A testable component derived from business requirements.
- D. Applies to software testing onl

Answer: A

NEW QUESTION 245

Component testing may include:

- A. Sociability testing.
- B. User acceptance testing.
- C. Beta testing.
- D. The use of stubs and driver

Answer: D

NEW QUESTION 248

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 250

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 255

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 258

Testers are often seen as the bearer of unwanted news regarding defects. What are effective ways to improve the communication and relationship between testers and others?

- a) Communicate factual information in a constructive way.
- b) Try to understand how the other person feels and why they react the way they do.
- c) Always outsource testing activities.
- d) Never record information that could be used to apportion blame to an individual or team.

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

Answer: A

NEW QUESTION 261

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 264

From the following list, which of the following apply to experience-based techniques? [K2]

- A. Test cases are derived from a model of the problem to be solved or the software
- B. Test cases are derived from the knowledge of the testers
- C. The knowledge of testers, developers and users is used to drive testing
- D. The internal structure of the code is used to derive test cases
- E. a and b.
- F. c and d.
- G. a and d.
- H. b and

Answer: D

NEW QUESTION 268

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 270

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

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

Answer: D

NEW QUESTION 274

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 279

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 284

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 286

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: B

NEW QUESTION 290

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 293

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 294

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 295

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

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

Answer: D

NEW QUESTION 297

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 298

Which of the following options explain why it is often beneficial to have an independent test function in an organisation?

- A. To improve defect finding during reviews and testing
- B. To ensure that developers adhere to coding standards
- C. To limit communication between developers and testers
- D. To provide better metrics for the stakeholders

Answer: D

NEW QUESTION 302

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 307

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

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

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

Answer: A

NEW QUESTION 311

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

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

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

Answer: B

NEW QUESTION 313

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 315

Which of the following would be a good test technique to use when under severe time pressure?

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

Answer: B

NEW QUESTION 317

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