

Exam Questions CTFL-Foundation

Certified Tester Foundation Level

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NEW QUESTION 1

You have been given responsibility for the non-functional testing of a safety-critical monitoring & diagnostics package in the medical area. Which of the following would you least expect to see addressed in the test plan? 1 credit

- A. Availability
- B. Safety
- C. Portability
- D. Reliability

Answer: C

NEW QUESTION 2

Considerable attention will be given in this project to defining exit criteria and on reporting back on their status. Which combination of TWO exit criteria from the list would be best to use? 1 credit

- A. Total number of defects foundI
- B. Percentage of test cases executedII
- C. Total test effort planned versus total actual test effort spentI
- D. Defect trend (number of defects found per test run over time
- E. (i) and (ii)
- F. (i) and (iv)
- G. (ii) and (iii)
- H. (ii) and (iv)

Answer: D

NEW QUESTION 3

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 4

IEEE 1028 also defines “management review” as a type of review. What is the main purpose of a management review? 1 credit

- A. Align technical concepts during the design phase
- B. Establish a common understanding of requirements
- C. Provide independent evaluation of compliance to processes, regulations, standards etc.
- D. To monitor progress, assess the status of a project, and make decisions about future actions

Answer: D

NEW QUESTION 5

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 6

Which of the following is a project risk mitigation step you might take as test manager? 1 credit

- A. Testing for performance problems
- B. Hiring a contractor after a test analyst leaves the company
- C. Arranging a back-up test environment in case the existing one fails during testing
- D. Performing a project retrospective meeting using the test results after each increment

Answer: C

NEW QUESTION 7

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 8

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 testin

Answer: A

NEW QUESTION 9

Based on the information given in the scenario, identify how the team could be improved most effectively? 2 credits

- A. By providing training in the payroll domain
- B. By providing a workshop on test design techniques
- C. By providing specific training on the systems being tested
- D. By providing training on reviewing requirements

Answer: B

NEW QUESTION 10

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 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 too
- 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 month 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 13

Instead of having an independent test team within the company, the company is considering to outsource testing. What are THREE key challenges that are typical for outsourcing? 1 credit

- A. Test environment more complex
- B. Define expectation for tasks and deliverables
- C. Clear channels of communications
- D. Possibly different cultures
- E. Testing of non-functional requirements
- F. Audit trail from requirements to test cases
- G. Applying test automation

Answer: BCD

NEW QUESTION 14

In general which part of the testing activity is most difficult to estimate? 1 credit

- A. Test planning
- B. Test execution
- C. Test management
- D. Test design

Answer: B

NEW QUESTION 15

The test improvement project will take place in an organization developing a safety-critical avionics application. Which one of the following standards do you believe would be most appropriate to take into account for compliance during your assignment? 1 credit

- A. ISO 9126
- B. IEEE 829
- C. BS 7925/2
- D. DO-178B

Answer: D

NEW QUESTION 16

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 18

Which one of the following estimation approaches is appropriate at this stage of the project? 2 credits

- A. Create an estimate based on the function point analysis technique and test point analysis
- B. Create an estimate based on the complexity of the code
- C. Create an estimate based on the credentials of the successful bidder
- D. Create an estimate based on a percentage of the development effort

Answer: A

NEW QUESTION 22

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 24

Which of the following could be a reason for a failure?

- 1) Testing fault
- 2) Software fault
- 3) Design fault
- 4) Environment Fault
- 5) Documentation Fault

- A. 2 is a valid reason; 1, 3, 4 & 5 are not
- B. 1, 2, 3, 4 are valid reasons; 5 is not
- C. 1, 2, 3 are valid reasons; 4 & 5 are not
- D. All of them are valid reasons for failure

Answer: A

NEW QUESTION 29

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 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 36

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 40

Which of the following is most likely to be a benefit of using static techniques?

- A. Fewer performance defects.
- B. Productivity improvements in the development process.
- C. More efficient regression testing.
- D. Quick return on investment in static analysis tools.

Answer: B

Explanation:

Although the other options might be seen as benefits they are not amongst the most likely benefits. Option (B) is the benefit that is most likely to be realized.

NEW QUESTION 45

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

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

Answer: D

NEW QUESTION 49

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 51

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 possibl

Answer: D

NEW QUESTION 56

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

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 66

Which of the following are valid justifications for developers testing their own code during unit testing?

- (i) Their lack of independence is mitigated by independent testing during system and acceptance testing.
 - (ii) A person with a good understanding of the code can find more defects more quickly using white-box techniques.
 - (iii) Developers have a better understanding of the requirements than testers.
 - (iv) Testers write unnecessary incident reports because they find minor differences between the way in which the system behaves and the way in which it is specified to work.
- A. (i) and (ii)
 - B. (i) and (iv)
 - C. (ii) and (iii)
 - D. (iii) and (iv)

Answer: A

Explanation:

It is unlikely that developers will have a better understanding of the requirements than testers, partly because testers work closely with the user community (and may be drawn from it) and partly because developers seldom work with the complete set of requirements in a medium to large development. Testers may raise incidents related to the difference between user expectations and the specification, but these are not unnecessary. Such issues are more likely to arise at the later stages of testing.

Early testing (unit testing) is usually done most effectively by developers with a good understanding of the code and the development environment; they can be more efficient and more effective at this level. Later independent stages of testing offset any disadvantage from the lack of independence at unit testing level.

NEW QUESTION 67

Which of the following are the most important factors to be taken into account when selecting test techniques?

- (i) Tools available.
 - (ii) Regulatory standards.
 - (iii) Experience of the development team.
 - (iv) Knowledge of the test team.
- The need to maintain levels of capability in each technique.

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

Answer: B

Explanation:

Answer (i) looks temptingly right, and the availability of tools might make the use of a technique more or less attractive, but it would not be decisive in the way that regulatory standards and tester knowledge are.

Answer (iii) is irrelevant because testing should be independent of development anyway, but it could tempt someone who is unsure about the relationship between development and testing.

Answer (v) is a factor in managing the test team, and experience would need to be maintained, but this should not influence the selection of techniques for a live project.

NEW QUESTION 70

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 72

What is the benefit of independent testing?

- A. More work gets done because testers do not disturb the developers all the time.
- B. Independent testers tend to be unbiased and find different defects than the developers
- C. Independent testers do not need extra education and training.
- D. Independent testers reduce the bottleneck in the incident management process

Answer: B

NEW QUESTION 76

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 77

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 80

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

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

Answer: A

NEW QUESTION 83

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 85

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 88

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 92

Which statement is most true?

- A. Different testing is needed depending upon the application.

- B. All software is tested in the same way.
- C. A technique that finds defects will always find defects.
- D. A technique that has found no defects is not useful.

Answer: A

Explanation:

This is a restatement of the testing principle 'Testing is context dependent'

NEW QUESTION 94

Which of the following is MOST important in the selection of a test approach?

- A. Availability of tools to support the proposed techniques.
- B. The budget allowed for training in proposed techniques.
- C. Available skills and experience in the proposed techniques.
- D. The willingness of the test team to learn new technique

Answer: C

NEW QUESTION 98

Which of the following statements BEST describes one of the seven key principles of software testing?

- A. Automated tests are better than manual tests for avoiding the Exhaustive Testing.
- B. Exhaustive testing is, with sufficient effort and tool support, feasible for all software.
- C. It is normally impossible to test all input / output combinations for a software system.
- D. The purpose of testing is to demonstrate the absence of defect
- E. The purpose of testing is to demonstrate the absence of defects.

Answer: C

NEW QUESTION 103

What are the key features to be concentrated upon when doing a testing for world wide web sites ..?

- A. Interaction between html pages
- B. Performance on the client side
- C. Security aspects
- D. All of the above

Answer: D

NEW QUESTION 104

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 108

Which of the following is not true of regression testing?

- A. It can be carried out at each stage of the life cycle.
- B. It serves to demonstrate that the changed software works as intended.
- C. It serves to demonstrate that software has not been unintentionally changed.
- D. It is often automated.

Answer: B

Explanation:

This is a definition of confirmation testing. The other three options are true of regression testing.

NEW QUESTION 113

Which of the following is NOT part of configuration management..?

- A. Status accounting of configuration items
- B. Auditing conformance to ISO9001
- C. Identification of test versions
- D. Record of changes to documentation over time
- E. Controlled library access

Answer: B

NEW QUESTION 115

For which of the following would maintenance testing be used?

- A. Correction of defects during the development phase.
- B. Planned enhancements to an existing operational system.
- C. Complaints about system quality during user acceptance testing.
- D. Integrating functions during the development of a new system

Answer: B

NEW QUESTION 120

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 123

Which one of the following roles is typically used in a review?

- A. Champion.
- B. Author.
- C. Project sponsor.
- D. Custodian.

Answer: B

Explanation:

The Author is the only role that is typically used in a review.

A Champion might sponsor the review process but is not a defined role within an actual review; a Project Sponsor, if technically competent, might be asked to play a defined role within the review process, but whilst using that role they will not be a Project Sponsor; finally, a Custodian might ensure the results are stored safely but would not be involved in the actual review itself.

NEW QUESTION 125

Which of the following is a non-functional requirement?

- A. The system will enable users to buy books.
- B. The system will allow users to return books.
- C. The system will ensure security of the customer details.
- D. The system will allow up to 100 users to log in at the same time.

Answer: D

Explanation:

The other options are functional requirements. Note that security is regarded as a functional requirement in this syllabus.

NEW QUESTION 128

Given the Following program IF X <=> Z THEN Statement 2;ENDMcCabe's Cyclomatic Complexity is :

- A. 2
- B. 3
- C. 4
- D. 5

Answer: B

NEW QUESTION 133

The following statements relate to activities that are part of the fundamental test process.

- A. Evaluating the testability of requirements.i
- B. Repeating testing activities after changes.ii
- C. Designing the test environment set-up.i
- D. Developing and prioritizing test cases.
- E. Verifying the environment is set up correctl
- F. Which statement below is TRUE?
- G. (i) and (ii) are part of analysis and design, (iii), (iv) and (v) are part of test implementation and execution.
- H. (i) and (iii) are part of analysis and design, (ii), (iv) and (v) are part of test implementation and execution.
- I. (i) and (v) are part of analysis and design, (ii), (iii) and (iv) are part of test implementation and execution.
- J. (i) and (iv) are part of analysis and design, (ii), (iii) and (v) are part of test implementation and execution.

Answer: B

Explanation:

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

NEW QUESTION 137

Independent Verification & Validation is:

- A. Done by the Developer
- B. Done by the Test Engineers
- C. Done By Management
- D. Done by an Entity Outside the Project's sphere of influence

Answer: D

NEW QUESTION 142

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 143

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 fals

Answer: B

NEW QUESTION 147

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 152

Which pair of definitions is correct?

- A. Regression testing is checking that the reported defect has been fixed; retesting is testing that there are no additional problems in previously tested software.
- B. Regression testing is checking there are no additional problems in previously tested software; retesting enables developers to isolate the problem.
- C. Regression testing involves running all tests that have been run before; retesting runs new tests.
- D. Regression testing is checking that there are no additional problems in previously tested software, retesting is demonstrating that the reported defect has been fixed.

Answer: D

Explanation:

Regression testing is testing that nothing has regressed. Retesting (or confirmation testing) confirms the fix is correct by running the same test after the fix has been made. No other option has both of these as true.

NEW QUESTION 156

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 158

Which of the following has the typical formal review activities in the correct sequence?

- A. Kick-off, review meeting, planning, follow-up.
- B. Kick-off, planning, review meeting, re-work.
- C. Planning, kick-off, individual preparation, review meeting.

D. Planning, individual preparation, follow-up, re-work.

Answer: C

Explanation:

The correct sequence is: planning, kick-off, individual preparation, review meeting, re-work, follow-up. All of the other options have either the activities in the wrong order or activities missing from the strict flow.

NEW QUESTION 162

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 166

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 167

Which of the following statements BEST describes one of the seven key principles of software testing?

- A. Automated tests are better than manual tests for avoiding the Exhaustive Testing.
- B. Exhaustive testing is, with sufficient effort and tool support, feasible for all software.
- C. It is normally impossible to test all input / output combinations for a software system.
- D. The purpose of testing is to demonstrate the absence of defect
- E. The purpose of testing is to demonstrate the absence of defects.

Answer: C

NEW QUESTION 168

A top-down development strategy affects which level of testing most?

- A. Component testing
- B. Integration testing
- C. System testing
- D. User acceptance testing

Answer: B

Explanation:

The development strategy will affect the component testing (option (A)), in so far as it cannot be tested unless it has been built. Options (C) and (D) require the system to have been delivered; at these points the development strategy followed is not important to the tester. Option (B) needs knowledge of the development strategy in order to determine the order in which components will be integrated and tested.

NEW QUESTION 172

Which of the following statements are correct for walkthroughs?

- (i) Often led by the author.
- (ii) Documented and defined results.
- (iii) All participants have defined roles.
- (iv) Used to aid learning.
- (v) Main purpose is to find defects.

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

Answer: C

NEW QUESTION 173

Which of the following pairs of test tools are likely to be most useful during the test analysis and design stage of the fundamental test process?

- (i) Test execution tool
- (ii) Test data preparation tool
- (iii) Test management tool
- (iv) Requirements management tool

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

Answer: D

NEW QUESTION 178

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 181

Which of the following statements best characterises maintenance testing? [K2]

- A. Maintenance testing is triggered by changes to delivered software and uses impact analysis to minimise the amount of regression testing needed
- B. Maintenance testing is triggered by changes to software under development before initial delivery and uses the test plan to determine how much regression testing to do
- C. Maintenance testing is triggered by changes to the test environment and uses testing tools to perform regression testing
- D. Maintenance testing is triggered by changes to the software environment and uses structural testing to ensure the changes function correctly

Answer: A

NEW QUESTION 184

What is a test condition?

- A. A statement of test objectives and test ideas on how to test.
- B. An item or event that could be verified by one or more test cases.
- C. The process of identifying differences between the actual results and the expected results for a test.
- D. All documents from which the requirements of a component or system can be inferred

Answer: B

NEW QUESTION 189

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 191

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 195

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 200

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 203

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 205

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 206

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 208

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 209

System testing is:

- A. Used to search for defects in software modules that are separately testable.
- B. The responsibility of the users of a system.
- C. Concerned with the behavior of a whole system/product as defined by the scope of a development project.
- D. Triggered by modifications, migration or retirement of the software system

Answer: C

NEW QUESTION 212

Which of the following factors will MOST affect the testing effort required to test a software product? [K1]

- A. The number of staff available to execute tests
- B. The level of detail in the test plan
- C. The requirements for reliability and security in the product
- D. The test estimation method used

Answer: C

NEW QUESTION 214

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 216

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 219

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 requirement

Answer: D

NEW QUESTION 224

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

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

Answer: A

NEW QUESTION 229

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 230

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 231

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 exercised

Answer: C

NEW QUESTION 232

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 233

"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 requirement

Answer: C

NEW QUESTION 237

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 241

What is the main reason for using a pilot project to introduce a testing tool into an organization? [K1]

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

Answer: C

NEW QUESTION 246

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 251

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 253

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 255

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 257

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 260

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 262

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 264

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 269

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 271

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 273

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 276

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 277

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 282

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 285

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 290

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 293

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