

CTFL-Foundation Dumps

Certified Tester Foundation Level

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NEW QUESTION 1

You are about to release a test progress report to a senior manager, who is not a test specialist. Which of the following topics should NOT be included in the test progress report? 1 credit

- A. Product risks which have been mitigated and those which are outstanding.
- B. Recommendations for taking controlling actions
- C. Status compared against the started exit criteria
- D. Detailed overview of the risk-based test approach being used to ensure the exit criteria to be achieved

Answer: D

NEW QUESTION 2

Explain how the above mentioned report may differ from a report that you produce for the project manager, who is a test specialist Select TWO items from the following options that can be used to report to the project manager and would not be included in a report to senior management. 1 credit

- A. Show details on effort spent
- B. List of all outstanding defects with their priority and severity
- C. Give product risk status
- D. Show trend analysis
- E. State recommendations for release

Answer: AB

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

What is the main reason why reviews are especially beneficial in the above-mentioned scenario? 2 credits

- A. They ensure a common understanding of the product.
- B. They find defects early.
- C. They enhance project communication.
- D. They can be performed without exercising the code.

Answer: D

NEW QUESTION 5

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 6

Select THREE issues from the options provided that should at least be raised. 1 credit

- A. Has there been sufficient comparison of tools?
- B. What are the problems we are trying to address?
- C. Do we have a set of tool requirements to validate the tool against?
- D. How will the implementation be organized?
- E. Which project will be selected to perform the tool pilot?
- F. Is customized training available?
- G. How will the change process be managed?

Answer: ABC

NEW QUESTION 7

Which of the following would you expect to see in the master test plan? 1 credit

- A. A description of how the test cases are cross-referenced to requirements in the test management tool.
- B. A detailed identification of the resources that will carry out structural testing in the first iteration.
- C. The test approach that will be applied at system integration testing.
- D. A list of the names of the testers who will carry out the performance testing for the final iteratio

Answer: C

NEW QUESTION 8

Which of the following are valid reasons for adopting a different life cycle (from the V model), for increments after the first year? 2 credits

- A. We do not have a clear understanding of the requirements from a customer perspective.i
- B. We see the risk of delivering requested functionality late as being higher than the risk of delivering a lower quality product.ii
- C. We do not have a budget for additional regression testing which is needed to ensure that existing functionality is not compromised by future iterations.i
- D. The company test strategy does not fit well within the V life cycle model.
- E. (i) and (ii)
- F. (i) and (iv)
- G. (ii) and (iii)
- H. (ii) and (iv)

Answer: A

NEW QUESTION 9

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 10

Part of the testing strategy indicates that you are going to be using systematic test design techniques. Your manager has asked that you present the main advantages of using these techniques at the next board meeting. Identify THREE main benefits of using systematic test design techniques within this company. 2 credits (for 2 out correct 1 credit)

- A. Easier to quickly adapt testing to changing requirements compared to experienced-based testing
- B. Targets certain types of faults
- C. Will guide experienced testers to find defects
- D. Provides a way to differentiate depth of testing based on product risks by using different techniques
- E. More enhanced documentation and therefore higher repeatability and reproducibility
- F. Will make non-systematic testing redundant
- G. Will reduce the need for early reviews

Answer: BDE

NEW QUESTION 10

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 12

Which of the following is a benefit of independent testing? 1 credit

- A. Code cannot be released into production until independent testing is complete.
- B. Testing is isolated from development.
- C. Independent testers find different defects and are unbiased.
- D. Developers do not have to take as much responsibility for quality

Answer: C

NEW QUESTION 14

Which of the following team roles would be most appropriate to enhance the team and why? 2 credits

- A. A person with the ability to complete tasks
- B. A quality assurance officer
- C. A person with in-depth technical skills
- D. A person who brings new ideas to the team

Answer: D

NEW QUESTION 18

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 20

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 costs actions first

Answer: C

NEW QUESTION 21

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 26

During test process improvement it is recommended to use standards where possible. Standards originate from various sources and they cover different subjects in relation to testing. Pick TWO sources of software standards, useful to software testing from the ones mentioned below. 1 credit

- A. ISO 9126-1 'Software engineering- Product quality Part 1:Quality model' is an international standard, that provides a basis on which to define quality assurance solutions.
- B. ISA 4126-1 'Software engineering- Product quality Part 1:Quality model' is an international standard, that provides a basis on which to define quality assurance solutions.
- C. BS-7925-2 'Software testin
- D. Software component testing is a national standard used internationall
- E. It covers a number of testing techniques that may be useful both on component testing level and on system testing level.
- F. SY-395-01 'Standard for East Coast Hospital software' is a regional standard adapted from a national on
- G. Besides hospital software, this standard ought to be used also by other types of software system in the region.
- H. IEEE 829 'standard for software test documentation' is an international standard to be following mandatory by all testing origination regardless of lifecycle models.

Answer: AC

NEW QUESTION 29

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

Answer: CE

NEW QUESTION 30

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 32

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 34

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 35

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 39

Why might a RAD approach be a better option for the test manager rather than a sequential development? 2 credits

- A. It will extend the development team's abilities and enhance future delivery capabilities.
- B. It will allow the marketing, clerical and testing staff to validate and verify the early screen prototypes.
- C. Time-box constraints will guarantee code releases are delivered on schedule.
- D. More time can be spent on test execution as less formal documentation is required

Answer: B

NEW QUESTION 44

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 45

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 50

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 53

Test Implementation and execution has which of the following major tasks?

- A. Developing and prioritizing test cases, creating test data, writing test procedures and optionally preparing the test harnesses and writing automated test scripts.i
- B. Creating the test suite from the test cases for efficient test execution.ii
- C. Verifying that the test environment has been set up correctly.i
- D. Determining the exit criteria.
- E. i, ii, iii are true and iv is false
- F. i, iv are true and ii is false
- G. i, ii are true and iii, iv are false
- H. ii, iii, iv are true and i is false

Answer: A

NEW QUESTION 56

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 61

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 66

A tool that supports traceability, recording of incidents or scheduling of tests is called..?

- A. A dynamic analysis tool
- B. A test execution tool
- C. A debugging tool
- D. A test management tool
- E. A configuration management tool

Answer: D

NEW QUESTION 70

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 72

Which is not the testing objective?

- A. Finding defects
- B. Gaining confidence about the level of quality and providing information
- C. Preventing defects.
- D. Debugging defects

Answer: D

NEW QUESTION 74

Hand over of Testware is a part of which Phase:

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

Answer: C

NEW QUESTION 78

Which of the following are most characteristic of structure-based testing?

- (i) Information about how the software is constructed is used to derive test cases.
- (ii) Statement coverage and/or decision coverage can be measured for existing test cases.
- (iii) The knowledge and experience of people are used to derive test cases.
- (iv) Test cases are derived from a model or specification of the system.

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

Answer: A

NEW QUESTION 81

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 84

Which of the following terms is used to describe the management of software components comprising an integrated system?

- A. Configuration management
- B. Incident management
- C. Test monitoring
- D. Risk management

Answer: A

Explanation:

Incident management is the collection and processing of incidents raised when errors and defects are discovered. Test monitoring identifies the status of the testing activity on a continuous basis. Risk management identifies, analyses and mitigates risks to the project and the product. Configuration management is concerned with the management of changes to software components and their associated documentation and testware.

NEW QUESTION 85

Which list of levels of tester independence is in the correct order, starting with the most independent first?

- A. Tests designed by the author; tests designed by another member of the development team; tests designed by someone from a different company.
- B. Tests designed by someone from a different department within the company; tests designed by the author; tests designed by someone from a different company.
- C. Tests designed by someone from a different company; tests designed by someone from a different department within the company; tests designed by another member of the development team.
- D. Tests designed by someone from a different department within the company; tests designed by someone from a different company; tests designed by the author.

Answer: C

Explanation:

This option has someone nearer to the written code in each statement. All other options are not in this order.

NEW QUESTION 88

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 92

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 96

Boundary value testing:

- A. Is the same as equivalence partitioning tests
- B. Test boundary conditions on, below and above the edges of input and output equivalence classes
- C. Tests combinations of input circumstances
- D. Is used in white box testing strategy

Answer: B

NEW QUESTION 101

When what is visible to end-users is a deviation from the specific or expected behavior, this is called..?

- A. An error
- B. A fault
- C. A failure
- D. A defect
- E. A mistake

Answer: C

NEW QUESTION 105

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 109

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 112

What is retesting?

- A. Running the same test again in the same circumstances to reproduce the problem.
- B. A cursory run through a test pack to see if any new errors have been introduced.
- C. Checking that the predetermined exit criteria for the test phase have been met.
- D. Running a previously failed test against new software/data/documents to see if the problem is solve

Answer: D

NEW QUESTION 116

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 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 124

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 129

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 131

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 136

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 risk

Answer: A

NEW QUESTION 139

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 140

When is testing complete?

- A. When time and budget are exhausted.
- B. When there is enough information for sponsors to make an informed decision about release.
- C. When there are no remaining high priority defects outstanding.
- D. When every data combination has been exercised successfully.

Answer: B

Explanation:

Sometimes time/money does signify the end of testing, but it is really complete when everything that was set out in advance has been achieved.

NEW QUESTION 145

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 149

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 153

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 157

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 161

Which TWO of the review types below are the BEST fitted (most adequate) options to choose for reviewing safety critical components in a software project? Select 2 options.

- A. Informal review.
- B. Management review.
- C. Inspection.
- D. Walkthrough
- E. Technical Review

Answer: CE

NEW QUESTION 164

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 166

Pick the best definition of quality:

- A. Quality is job one
- B. Zero defects
- C. Conformance to requirements
- D. Work as designed

Answer: C

NEW QUESTION 167

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 169

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 174

Failure is

- A. Incorrect program behavior due to a fault in the program
- B. Bug found before product Release
- C. Bug found after product Release
- D. Bug found during Design phase

Answer: A

NEW QUESTION 179

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 181

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

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 187

What do static analysis tools analyze?

- A. Design
- B. Test cases
- C. Requirements
- D. Program code

Answer: D

NEW QUESTION 188

Which of the following comparisons of component testing and system testing are TRUE?

- A. Component testing verifies the functioning of software modules, program objects, and classes that are separately testable, whereas system testing verifies interfaces between components and interactions with different parts of the system.
- B. Test cases for component testing are usually derived from component specifications, design specifications, or data models, whereas test cases for system testing are usually derived from requirement specifications, functional specifications or use cases.
- C. Component testing focuses on functional characteristics, whereas system testing focuses on functional and non- functional characteristics.
- D. Component testing is the responsibility of the technical testers, whereas system testing typically is the responsibility of the users of the system.

Answer: B

NEW QUESTION 193

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 197

Which of the following statements about risks is most accurate?

- A. Project risks rarely affect product risk.
- B. Product risks rarely affect project risk.
- C. A risk-based approach is more likely to be used to mitigate product rather than project risks.
- D. A risk-based approach is more likely to be used to mitigate project rather than product risks.

Answer: C

Explanation:

In general, project risk and product risk can be hard to differentiate. Anything that impacts on the quality of the delivered system is likely to lead to delays or increased costs as the problem is tackled. Anything causing delays to the project is likely to threaten the delivered system's quality. The risk-based approach is an approach to managing product risk through testing, so it impacts most directly on product risk.

NEW QUESTION 198

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 199

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 204

Equivalence Partitioning is best defined as:

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

Answer: A

NEW QUESTION 207

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

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

Answer: B

NEW QUESTION 211

Which statement correctly describes debugging? [K2]

- A. Testers identify defects, developers locate and correct defects, testers confirm the correction has cleared the original defect
- B. Developers identify defects, testers locate defects, developers correct and confirm the correction has cleared the original defect
- C. Testers identify and locate defects, developers correct defects and confirm the correction has cleared the original defect
- D. Developers identify, locate and correct defects, testers confirm the correction has cleared the original defect

Answer: A

NEW QUESTION 213

Which statement BEST describes when test planning should be performed? [K1]

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

Answer: D

NEW QUESTION 214

What is static analysis?

- A. The decision between using white or black box test techniques.
- B. Executing software to validate the most common path through the code.
- C. A technique to find defects in software source code and software models, performed without executing code.
- D. It is a testing technique used during system testing

Answer: C

NEW QUESTION 217

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 222

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 225

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 228

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 232

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

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

Answer: D

NEW QUESTION 236

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 238

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 242

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 243

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 244

Which of the following test design techniques is classified as a structure-based (white box) technique? [K1]

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

Answer: D

NEW QUESTION 249

Which of the following is a valid objective of testing? [K1]

- A. Correcting defects
- B. Locating defects in the code
- C. Preventing defects
- D. Ensuring no defects are present

Answer: C

NEW QUESTION 250

Test objectives for systems testing of a safety critical system include completion of all outstanding defect correction. Regression testing is required following defect correction at all test levels. Which TWO of the following metrics would be MOST suitable for determining whether the test objective has been met? [K2]

- A. Regression tests run and passed in systems testing
- B. Incidents closed in systems testing
- C. Planned tests run and passed in system testing
- D. Planned tests run and passed at all levels of testing
- E. Incidents raised and closed at all levels of testing
- F. a and e
- G. b and c
- H. d and e
- I. a and b

Answer: A

NEW QUESTION 253

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 255

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 258

"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 262

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 265

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 270

Which of the following is a role of a formal review? [K1]

- A. Adjudicator
- B. Moderator
- C. Governor
- D. Corrector

Answer: B

NEW QUESTION 275

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 280

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 entry on 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 284

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 288

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 293

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 298

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 301

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 306

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 308

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 309

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 311

Which of the following type of defect would NOT be typically found by using a static analysis tool?

- A. A variable is defined but is then not used
- B. A variable is used in a calculation before it is defined
- C. A variable has the wrong numeric value passed into it
- D. A variable is used but not declared

Answer: C

NEW QUESTION 316

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 320

A new testing tool has been selected for an organisation and a pilot project has successfully completed. The next step is to deploy the tool within the organization. What is a key success factor in tool deployment?

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

Answer: A

NEW QUESTION 322

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

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

Answer: A

NEW QUESTION 323

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 327

Why is measurement of code coverage Important?

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

Answer: A

NEW QUESTION 329

Which of the following options BEST explain the pesticide paradox principle of testing?

- A. If we do not regularly review and revise our tests, we'll stop finding defects
- B. Repeatedly running a set of tests will ensure that a system is defect free
- C. Defects are, paradoxically, often contained in a small number of modules
- D. Testing, like spraying pesticide, is an effective bug / defect removal activity

Answer: C

NEW QUESTION 334

A system requirement states that up to 100 users should be able to carry out a transaction, with responses returned within 5 seconds. What type of non-functional testing would you carry out to verify these requirements?

- A. Stress testing
- B. Maintenance testing
- C. Load testing
- D. Usability testing

Answer: B

NEW QUESTION 339

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 340

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 342

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 343

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 344

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 349

During the development of a software change for a system, the developer makes a mistake in his work, which leads to a fault in the code. Unfortunately the fault is not found by software testing and is released into live.

What is the definite consequence of this mistake?

- A. The system will fail, causing a defect
- B. If the defect is executed, the system may fail
- C. Loss of money, time, or business reputation

D. Contractual requirements have not been met by testing

Answer: B

NEW QUESTION 354

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