

ISEB-SWT2 Dumps

ISTQB-ISEB Certified Tester Foundation Level

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NEW QUESTION 1

- (Exam Topic 2)

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

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

Answer: A

NEW QUESTION 2

- (Exam Topic 2)

The introduction of reviews and inspections has often failed as a process improvement action. Identify the THREE most important measures that should be taken to reduce the risk that this test process improvement will fail. 2 Credits (for 2 out of 3 correct 1 credit)

- A. Process ownership and experienced moderators who drive the inspection process.
- B. Management support
- C. Training of those involved
- D. The availability of stands and processes
- E. Usage of a more traditional software development lifecycle
- F. Alignment with software process improvement
- G. Using a reference model, e.
- H. TMMi

Answer: ABC

NEW QUESTION 3

- (Exam Topic 3)

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 4

- (Exam Topic 4)

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 5

- (Exam Topic 6)

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 of 3 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 6

- (Exam Topic 7)

What is the Risk Priority Number for risk item number 2? 2 credits

- A. 16
- B. 2
- C. 1
- D. 63

Answer: D

NEW QUESTION 7

- (Exam Topic 8)

Which of the following is a valid drawback of independent testing? 1 credit

- A. Developer and independent testing will overlap and waste resources.
- B. Developers lose the sense of responsibility and independent testers may become a bottleneck.
- C. Independent testers need extra education and always cost more.
- D. Independent testers will become a bottleneck and introduce problems in incident management.

Answer: B

NEW QUESTION 8

- (Exam Topic 8)

A number of options have been suggested for the level of independence to be employed for the testing on the next project, and are shown below.

- A. External test specialists perform non-functional testing.i
 - B. Testing is outsourced.ii
 - C. Testing is carried out by the developer.i
 - D. A separate test team carries out the testing.
 - E. Testing is performed by the business.v
 - F. Testing is performed by a different developer.
- Which of the following orders the above in a correct order of independence? 1 credit
- G. i, ii, iv, vi
 - H. ii, i, v, vi
 - I. ii, v, i, iii
 - J. i, iv, v, vi

Answer: B

NEW QUESTION 9

- (Exam Topic 10)

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

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

Answer: B

NEW QUESTION 10

- (Exam Topic 11)

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 10

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 14

- (Exam Topic 16)

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 17

- (Exam Topic 18)

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

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

Answer: D

NEW QUESTION 22

- (Exam Topic 18)

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 24

- (Exam Topic 20)

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 25

- (Exam Topic 21)

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 26

- (Exam Topic 21)

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 30

- (Exam Topic 21)

Consider the following statements about early test design:

- A. Early test design can prevent fault multiplicationi
- B. Faults found during early test design are more expensive to fixii
- C. Early test design can find faultsi
- D. Early test design can cause changes to the requirements
- E. Early test design takes more effort
- F. i, iii & iv are tru

- G. ii & v are false
- H. iii is true, i, ii, iv & v are false
- I. iii & iv are true
- J. i, ii & v are false
- K. i, iii, iv & v are true, ii is false
- L. i & iii are true, ii, iv & v are false

Answer: A

NEW QUESTION 31

- (Exam Topic 21)

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

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

Answer: B

NEW QUESTION 33

- (Exam Topic 21)

Which of the following could be a disadvantage of independent testing?

- A. Developer and independent testing will overlap and waste resources.
- B. Communication is limited between independent testers and developers.
- C. Independent testers are too slow and delay the project schedule.
- D. Developers can lose a sense of responsibility for quality.

Answer: D

NEW QUESTION 34

- (Exam Topic 21)

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 36

- (Exam Topic 21)

Incidents would not be raised against

- A. Requirements
- B. Documentation
- C. Test cases
- D. Improvements suggested by users

Answer: D

NEW QUESTION 40

- (Exam Topic 21)

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

Which of the following contains only values that are in different equivalence partitions?

- A. 15, 30, 60
- B. 20, 35, 60
- C. 25, 45, 75
- D. 12, 35, 55

Answer: C

Explanation:

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

NEW QUESTION 41

- (Exam Topic 21)

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 45

- (Exam Topic 21)

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 50

- (Exam Topic 21)

For which of the following activities in the fundamental test process would an incident management tool be most useful?

- A. Test planning and control
- B. Test analysis and design
- C. Test implementation and execution
- D. Evaluating exit criteria and reporting

Answer: C

Explanation:

Incident management tools are most useful during test implementation and execution as this is the stage at which the tool is used to raise, manage, retest and close incidents.

The data collected during the defect life cycle can then be manipulated into information that is useful for other activities within the fundamental test process.

Information on numbers of defects outstanding may be useful for evaluating exit criteria (option (D)). This information could also be used for planning future testing and for taking control (option (A)).

Incident management tools can also assist in test analysis and design (option (B)) as information about defects found when testing the previous release of the system could be used when analyzing the type of testing required for the next enhancement.

NEW QUESTION 53

- (Exam Topic 21)

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 56

- (Exam Topic 21)

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 58

- (Exam Topic 21)

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 63

- (Exam Topic 21)

What is the concept of introducing a small change to the program and having the effects of that change show up in some test..?

- A. Introducing mutations
- B. Performance testing
- C. A mutation error
- D. Debugging a program

Answer: A

NEW QUESTION 66

- (Exam Topic 21)

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 67

- (Exam Topic 21)

How can test execution tools be of most benefit during exploratory testing?

- A. They can record user actions so that defects are easier to recreate.
- B. They can be used to perform the regression aspects of exploratory testing.
- C. They can help to mitigate the risk of low test coverage.
- D. They can use data-driven tests to increase the amount of exploratory testing performed.

Answer: A

Explanation:

Exploratory testing is used when it is unclear what the system is supposed to do. Therefore test execution tools are of little use because expected results cannot be predicted.

However, the record feature of a test execution tool can be used to log the actions performed so that defects can be recreated (option (A)) and rectified more easily.

NEW QUESTION 71

- (Exam Topic 21)

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

- (Exam Topic 21) Consider the following pseudo code:

```
* 1 Begin
* 2 Read Time
* 3 If Time < 12 Then
* 4 Print(Time, "am")
* 5 Endif
* 6 If Time > 12 Then
* 7 Print(Time 12, "pm")
* 8 Endif
* 9 If Time = 12 Then
* 10 Print (Time, "noon")
* 11 Endif
* 12 End
```

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

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

Answer: D

Explanation:

Test case 1 exercises the decision outcomes True, False, False Test case 2 exercises the decision outcomes False, True, False This leaves the True outcome of decision 3 not exercised.

Of the 6 possible decision outcomes, 5 have been exercised, so the decision coverage is 5/6 (about 83%).

NEW QUESTION 78

- (Exam Topic 21)

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

- * a. Variables that are never used.
- * b. Security vulnerabilities.
- * c. Poor performance.
- * d. Unreachable code.
- * e. Business processes not followed.

- A. b, c and d are true; a and e are false
- B. a is true; b, c, d and e are false
- C. c, d and e are true; a and b are false
- D. a, b and d are true; c and e are false

Answer: D

NEW QUESTION 82

- (Exam Topic 21)

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 84

- (Exam Topic 21)

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 87

- (Exam Topic 21)

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 developers.

Answer: C

NEW QUESTION 88

- (Exam Topic 21)

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 92

- (Exam Topic 21)

What do static analysis tools analyze?

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

Answer: D

NEW QUESTION 93

- (Exam Topic 21)

Which of the following principles should be followed when introducing a test tool into an organization?

- (i) Assessing organizational maturity to establish whether a tool will provide expected benefits.
- (ii) Requiring a quick payback on the initial investment.
- (iii) Including a requirement for the tool to be easy to use without having to train unskilled testers.

(iv) Identifying and agreeing requirements before evaluating test tools.

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

Answer: B

Explanation:

Assessing organizational maturity (i) is very important when deciding whether to introduce a test tool, as implementing a tool in an immature test organization with poor processes is unlikely to produce any benefits.

A quick return on the initial investment (ii) in a test tool is rare.

Having a requirement that a tool should be easy to use for untrained and unskilled testers (iii) is generally a false hope. This is comparable with expecting someone who has never driven a car to be able to drive safely and effectively.

Agreeing requirements before evaluating tools (iv) is essential. Not to do so would be comparable with building and testing a system without requirements.

In conclusion, (i) and (iv) are good principles to follow when introducing a tool and (ii) and (iii) are not.

NEW QUESTION 95

- (Exam Topic 21)

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 97

- (Exam Topic 21)

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 100

- (Exam Topic 21)

What is the purpose of test completion criteria in a test plan:

- A. To know when a specific test has finished its execution
- B. To ensure that the test case specification is complete
- C. To set the criteria used in generating test inputs
- D. To know when test planning is complete
- E. To plan when to stop testing

Answer: E

NEW QUESTION 102

- (Exam Topic 21)

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 107

- (Exam Topic 21)

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 112

- (Exam Topic 21)

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 116

- (Exam Topic 22)

System testing is:

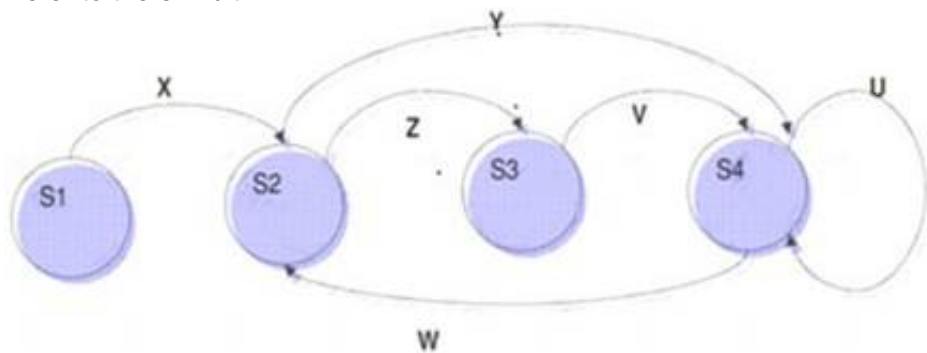
- A. Used to search for defects in software modules that are separately testable.
- B. The responsibility of the users of a system.
- C. Concerned with the behavior of a whole system/product as defined by the scope of a development project.
- D. Triggered by modifications, migration or retirement of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

Answer: C

NEW QUESTION 121

- (Exam Topic 22)

Refer to the exhibit



Given the following State Transition diagram, match the test cases below with the relevant set of state transitions.

- (i) X-Z-V-W
- (ii) W-Y-U-U

- A. (i) = S1 – S2 – S3 – S4 – S2 and (ii) = S4 – S2 – S4 – S4 – S4
- B. (i) = S1 – S2 – S3 – S4 – S4 and (ii) = S2 – S4 – S4 – S4 – S2
- C. (i) = S2 – S3 – S4 – S2 – S2 and (ii) = S4 – S2 – S4 – S4 – S4
- D. (i) = S2 – S3 – S4 – S4 – S2 and (ii) = S2 – S3 – S4 – S4 – S4

Answer: A

NEW QUESTION 125

- (Exam Topic 22)

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 130

- (Exam Topic 22)

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 135

- (Exam Topic 22)

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

- A. The total number of tests planned
- B. The total number of requirements to be tested

- C. The failure rate in testing already completed
- D. The number of testers used for test execution so far

Answer: C

NEW QUESTION 138

- (Exam Topic 22)

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 143

- (Exam Topic 22)

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

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

Answer: D

NEW QUESTION 146

- (Exam Topic 22)

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

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

Answer: D

NEW QUESTION 148

- (Exam Topic 22)

Which of the following statements about software development models is most accurate? [K1]

- A. The 4 stage V model is always the best choice of software development model for any project
- B. The agile development model is usually most appropriate for short projects
- C. The choice of software development model depends on product and project characteristics
- D. The 2 stage V model is the most appropriate development model for simple products

Answer: C

NEW QUESTION 152

- (Exam Topic 22)

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

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

Answer: B

NEW QUESTION 153

- (Exam Topic 22)

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 158

- (Exam Topic 22)

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 161

- (Exam Topic 22)

Which of the following would be appropriate test objectives for user acceptance testing of the first release of a new software product aimed at a general market and built using Agile methods? [K2]

- * a. To identify as many defects as possible
- * b. To maximise code coverage
- * c. To ensure the product works as expected
- * d. To assess the overall quality of the product
- * e. To determine the reliability of the product

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

Answer: D

NEW QUESTION 165

- (Exam Topic 22)

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 168

- (Exam Topic 22)

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 171

- (Exam Topic 22)

Functional and structural tests are alternative test types that may be used separately or together at which test level? [K1]

- A. At the component test level only
- B. At all test levels
- C. At integration testing and system testing levels only
- D. At all levels from integration testing to acceptance testing

Answer: B

NEW QUESTION 172

- (Exam Topic 22)

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 177

- (Exam Topic 22)

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 182

- (Exam Topic 22)

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 183

- (Exam Topic 22)

"Experience based" test design techniques, typically...

- A. Use decision tables to generate the Boolean test conditions to be executed.
- B. Identify the structure of the system or software at the component, integration or system level.
- C. Use the skill, intuition and experience of the tester to derive the test cases, using error guessing and exploratory testing.
- D. Establish traceability from test conditions back to the specifications and requirements.

Answer: C

NEW QUESTION 184

- (Exam Topic 22)

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/beta.

Answer: C

NEW QUESTION 187

- (Exam Topic 23)

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 190

- (Exam Topic 23)

The following Test Cases have been created for a simple web-based airline booking system. Test Case 1: Search for an item Available Flights

Test Case 2: View selected item in My Flights

Test Case 3: Login to the system: Login is accepted

Test Case 4: Select an available flight: item added to My Flights Test Case 5: Print confirmation receipt, then exit

Test Case 6: In My Flights, confirm details and book flight

Which of the following is the correct logical order for the test cases?

- A. 6, 3, 1, 4, 2, 5
- B. 3, 4, 1, 2, 5, 6
- C. 3, 2, 1, 4, 6, 5
- D. 3, 1, 4, 2, 6, 5

Answer: B

NEW QUESTION 194

- (Exam Topic 23)

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

* 1. Frequency - The number of times the system should be automatically switched on per day; minimum once per day, maximum 5 times

* 2. Duration - The duration of operation, in whole minutes, each time it is switched on; ranging from 1 to 60 Applying 2-value boundary value analysis which of the following options has the correct test set of valid and invalid boundary values?

A. Frequency 1, 5; Duration 1, 60

B. Frequency 0, 1, 5, 6; Duration 59 seconds, 1 minute, 60 minutes, 60 minutes 1 second

C. Frequency 0, 1, 5, 6; Duration 0, 1, 30, 60, 61

D. Frequency 0, 1, 2, 5, 6; Duration 0, 1, 30, 60, 61

Answer: B

NEW QUESTION 195

- (Exam Topic 23)

Which of the following options describe the causal chain in the correct sequence?

A. Error, fault, failure

B. Fault, bug, mistake

C. Mistake, failure, fault

D. Failure, bug, error

Answer: A

NEW QUESTION 196

- (Exam Topic 23)

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

A. Test design specification

B. Test condition

C. Test procedure specification

D. Test case specification

Answer: C

NEW QUESTION 200

- (Exam Topic 23)

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 202

- (Exam Topic 23)

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 203

- (Exam Topic 23)

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

A. Data migration

B. System retirement

C. System modification

D. Introduction of a test management tool

Answer: A

NEW QUESTION 207

- (Exam Topic 23)

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 211

- (Exam Topic 23)

Which of the following is NOT a valid use of decision coverage?

- A. Checking that all decisions have been exercised in a single program
- B. Checking that all decisions have been exercised in a business process
- C. Checking that all calls from one program module to another have been made correctly
- D. Checking that at least 50% of decisions have been exercised by a test case suite

Answer: D

NEW QUESTION 213

- (Exam Topic 23)

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

Which one of the following offers the BEST choice?

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

Answer: D

NEW QUESTION 214

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