

100% Real & Accurate CTFL_001 Questions and Answers with Free and Fast Updates [Q14-Q38]



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ISQI CTFL_001 Exam Syllabus Topics:

TopicDetailsTopic 1- Planning and specification to the conducting and monitoring of testsTopic 2- Who wants a basic understanding of software testing such as project managersTopic 3- Certificate will be able to go on to a higher level software testing qualification

QUESTION 14

Typically, exit criteria may consist of:

- * Defining the amount, level of detail structure, and templates for the test documentation.
- * Estimates of defect density or reliability measures.
- * Adequacy of the test approaches taken.
- * Discussions on disaster recovery.

QUESTION 15

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?

- * \$28,000
- * \$1,500
- * \$33,501
- * \$5,000

QUESTION 16

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?

- * 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 tools. They can then work closely with Vicki.
- * 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 tools. They also offer training and besides they offer to run and maintain the regression tests in the future.
- * Internal offer from the development department of XYZ to create the regression package using CppUnit as test automation tool. One of the development groups have very good experiences in automating unit tests, and they are willing to do training as well.
- * 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 suite. In addition to Vicki, Steve is the only one that has time available to be educated.

QUESTION 17

A booking system for a city bus service prices its fares according to the time of travel:

- * Peak-time tariff starts at 0600 and finishes at 1000 am
- * Off-peak tariff applies during all other times of service
- * The bus service does not operate between 2300 and the start of the next day's peak service

Note that all times mentioned are inclusive.

When applying the equivalence partitioning test design technique, which of the following options, shows test case inputs that each fall into a different equivalence partition?

- * 0600, 1000, 1200
- * 1001, 1300, 2259
- * 0100, 0800, 2200
- * 2400, 1000, 2301

QUESTION 18

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

- * ISO 9126
- * IEEE 829
- * BS 7925/2
- * DO-178B

QUESTION 19

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

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

QUESTION 20

What is a test condition?

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

QUESTION 21

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.

- * Informal review.
- * Management review.
- * Inspection.
- * Walkthrough
- * Technical Review

QUESTION 22

Which of the following BEST defines static techniques?

- * Executing the software work product
- * Manually examining the code or project documentation
- * Automated analysis of the code or project documentation
- * Manual examination and automated analysis of code or project documentation

QUESTION 23

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.

- * i, ii & iv are true, iii & v are false.
- * ii & iii are true, i, iv & v are false.
- * iv & v are true, i, ii & iii are false.
- * i, ii & iii are true iv & v are false.

QUESTION 24

Which of the following are examples of iterative development models?

(i) V-model

(ii) Rapid Application Development model

(iii) Waterfall model

(iv) Agile development model

- * (i) and (ii)
- * (ii) and (iii)
- * (ii) and (iv)
- * (iii) and (iv)

Explanation/Reference:

Explanation:

The other two models are sequential models.

QUESTION 25

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

- * Test Implementation and execution
- * Test Analysis and Design
- * Evaluating the Exit Criteria and reporting
- * Test Closure Activities

QUESTION 26

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.

- i. External test specialists perform non-functional testing.
- ii. Testing is outsourced.
- iii. Testing is carried out by the developer.
- iv. A separate test team carries out the testing.

v. Testing is performed by the business.

vi. Testing is performed by a different developer.

Which of the following orders the above in a correct order of independence?

- * i, ii, iv, vi
- * ii, i, v, vi
- * ii, v, i, iii
- * i, iv, v, vi

QUESTION 27

What is the purpose of a test completion criterion?

- * to know when a specific test has finished its execution
- * to ensure that the test case specification is complete
- * to set the criteria used in generating test inputs
- * to determine when to stop testing

QUESTION 28

Which is not the fundamental test process?

- * Planning and control
- * Test closure activities
- * Analysis and design
- * None

QUESTION 29

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

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

QUESTION 30

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

How many test cases are needed to achieve 100 per cent decision coverage?

- * 1
- * 2
- * 3
- * 4

Explanation/Reference:

Explanation:

The three decisions are in sequence and the conditions are all mutually exclusive (if any one is true the others must be false). Hence a test case that makes the first decision true will make the second and third decisions false and so on.

So test case 1 (say Time = 6) would exercise the path True, False, False, test case 2 (say Time = 15) would exercise the path False, True, False. Test case 3 would have to be Time = 12. This combination achieves 100 per cent decision coverage because each decision has been exercised through its true and its false outcomes.

QUESTION 31

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

- * Exploratory testing
- * Structure based testing
- * Specification based testing
- * Use Case testing

QUESTION 32

The effect of testing is to:

- * Increase software quality;
- * Give an indication of the software quality;
- * Enable those responsible for software failures to be identified;
- * Show there are no problems remaining?

QUESTION 33

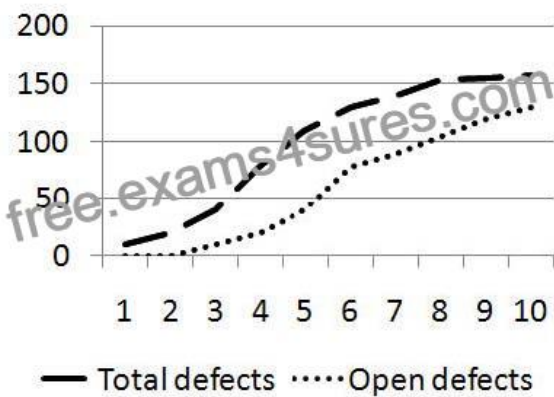
Which from the following list are typically found to enable the review process to be successful?

- a. Each review has clear defined objectives

- b. The lower the number of defects, the better the review process
 - c. The right people for the review objective are involved
 - d. There is an emphasis on learning and process improvement
 - e. Management are not involved in the process at all
 - f. Checklists should not be used, as these slow down the process
 - g. Defects found are welcomed and expressed objectively
- * a, f and g.
 - * b, c and f.
 - * a, c and d.
 - * d, e and g.

QUESTION 34

Given is the following defect removal chart reported at the end of system testing – showing total defects detected and closed defects (fixed and successfully retested). A number of open defects are classified as critical. All tests have been executed.



Based on the chart above, what is the most appropriate next test phase? 1 credit

- * Acceptance testing to verify the business process
- * Acceptance testing to verify operational requirements
- * Requirements testing as part of testing regulatory compliance
- * Another system test cycle to verify defect resolution

Topic 21, Mix Questions Set A

QUESTION 35

Pick the best definition of quality:

- * Quality is job one
- * Zero defects
- * Conformance to requirements

- * Work as designed

QUESTION 36

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

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

QUESTION 37

Why is measurement of code coverage Important?

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

QUESTION 38

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?

- * 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.
- * 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.
- * The delivery of the application without the interface changes may upset the user community.
- * The method used for test estimation is not accurate enough and hence the money spent on testing exceeded its budget.

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