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ISQI CTFL_Syll2018 Exam Syllabus Topics:

TopicDetailsTopic 1- Recognize the different roles and responsibilities in a formal review- Identify the tasks of a test manager and testerTopic 2- Identify factors that influence the effort related to testing- Describe the test activities and respective tasks within the test processTopic 3- Explain the value of statement and decision coverage- Distinguish between the root cause of a defect and its effectsTopic 4- Apply equivalence partitioning to derive test cases from given requirements- Identify typical objectives of testingTopic 5- Recall characteristics of good testing that are applicable to any life cycle model- Explain how to derive test cases from a use casesTopic 6- Use examples to describe the value of static testing-   Apply a review technique to a work product to find defects

NO.174 Which ONE of the following is the BEST way to take advantage of the different mindsets of testers and

developers?

* Bring the two mindsets together.
* Insist on independent testing at all stages in the lifecycle.
* Keep developers and testers in separate teams.
* Have all developers undergo ISTQB training.

NO.175 Which of the following statements about independent testing is WRONG?
* Independent testing is necessary because developers don’t know any testing
* A certain degree of independence makes the tester more effective at finding defects
* Independent testing is best suited for the system test level
* Independent test teams may find other types of defects than developers who are familiar with the

system’s structure.

NO.176 Consider the following pseudo code:

1. Begin

2. Input X, Y

3. If X > Y

4. __Print (X, ‘is greater than’, Y)

5. Else

6. __Print (Y, is greater than or equal to’, X)

7. EndIf

8. End

What is the minimum number of test cases required to guarantee both 100% statement coverage and 100% decision coverage?
* Statement coverage = 3, Decision coverage = 3
* Statement coverage = 2, Decision coverage = 2
* Statement coverage = 1, Decision coverage = 2
* Statement coverage = 2, Decision coverage = 1

NO.177 A client-server system for a web development must support a minimum of 200 enquiries per hour. In peak

times, it must be available 24 hours x 7 days due to the critical nature of the application, and must have a

response time lower than 20 seconds during peak loads.

Which of the following set of test types would be most appropriate to verify the non-functional requirements

expressed in this statement?
* Performance, Usability, Regression.
* System, Load, Fail-over.
* Performance, Load, Stress.
* Load, Volume and Component.

NO.178 For a mandatory input field ‘ZIP code” the following rules are given:

1 – The valid ZIP code format is 5 numeric digits

2 – The code has to exist in the pest office’s official ZIP code list

Using equivalence classes partitioning, how many test cases are required to test this field?
* 6
* 4
* 8
* 3

NO.179 Which of the following options explain why it is often beneficial to have an independent test function in an

organisation?
* To improve defect finding during reviews and testing
* To ensure that developers adhere to coding standards
* To limit communication between developers and testers
* To provide better metrics for the stakeholders

NO.180 In foundation level syllabus you will find the main basic principles of testing, Which of the following sentences describes one of these basic principles?
* Complete testing of software is attainable if you have enough resources and test tools
* For a software system, it is not possible under normal conditions, to test all input and output combinations.
* A goal of testing is to show that the software is defect free
* With automated testing you can make statements with more confidence about the quality of a product than with manual testing.

NO.181 A car insurance policy has 3 rates of insurance depending on the age of the driver. For drivers aged between

17 and 25 inclusive they are charged at rate A, drivers aged between 26 and 50 inclusive are charged at rate B

and those drivers aged over 50 are charged at rate C.

You are designing test cases, which of the following three ages would test all valid equivalence partitions and

therefore test rate A, B and C?
* 26, 45, 50.
* 10, 21, 55.
* 20, 35, 65.
* 17, 25, 50.

NO.182 Which of the following defect types are LEAST likely to be discovered when using static analysis tools?
* Variables that are never used
* Coding standard violations
* Memory leaks
* Uncalled functions and procedures

NO.183 Which of the following statements correctly describes traceability?
* The capability of the software product to enable modified software to be tested.

* An approach to integration testing where the component at the top of the component hierarchy is tested first.
* The degree to which a requirement is stated in terms that permit establishment of test design.
* The ability to identify related items in documentation, such as requirements vs. software design

NO.184 What is a defect density?
* The percentage of defects identified over the total number of test cases
* The deviation rate of the system from its expected behavior
* The ratio of the defects identified in these system over the expected number of total defects
* The number of defects identified in the system under test divided by the size of the system

NO.185 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?
* Frequency 1, 5; Duration 1, 60
* Frequency 0, 1, 5, 6; Duration 59 seconds, 1 minute, 60 minutes, 60 minutes 1 second
* Frequency 0, 1, 5, 6; Duration 0, 1, 30, 60, 61
* Frequency 0, 1, 2, 5, 6; Duration 0, 1, 30, 60, 61

NO.186 Which two of the following statements are true?
* Software testing can be necessary to fulfill legal or contractual obligations.
* Software testing is done to essentially increase the quality of developers.
* Intensive testing can help reduce risks and problems during operation
* Intensive testing is used to prove correctness.
* C and D are true. A and B are wrong.
* A and C are true. B and D are wrong
* B and D are true. A and C are wrong
* B and C are true, A and D are wrong

NO.187 What of the following statements regarding walkthrough are NOT true?
* A walkthrough is lead by a moderator and requires pre-meeting preparation and post meeting follow up
* A walkthrough may take the form of scenarios, dry runs and peer group review
* The purpose of a walkthrough is to establish common understanding of a document and to find possible defects in it
* Pre-meeting preparation, documentation and distribution of results are optional for a walkthrough

NO.188 Which of the following sentences is correct?
* Functional and Structural tests can be performed at all test levels
* Functional tests can be performed at Unit and Integration test levels, while Structural tests can be

performed at System test level
* Functional and Structural test levels can be performed for all test types
* Functional tests can be performed at Integration and System test levels, while Structural tests can be

performed at Unit test level

NO.189 Which of the following accurately defines the integration testing test level? [K2]
* Test basis includes software and system design, test objects include interfaces, and tests concentrate on the interactions between

different parts of a system

* Test basis includes component requirements, test objects include database modules, and tests concentrate on the behaviour of the system as a whole.
* Test basis includes business processes, test objects include system configuration and configuration data, and tests concentrate on establishing confidence in the system
* Test basis includes use cases, test objects include user procedures and tests concentrate on a high level model of system behaviour

NO.190

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7
Conditions							
Full Member	Y	N	N	N	N	N	N
Loyalty Card holder	Don't care	Y	Y	Y	Y	N	N
18 Holes	Don't care	Y	Y	N	N	Y	N
9 Holes	Don't care	N	N	Y	Y	N	Y
Buggy/Cart request	Don't care	N	Y	N	Y	Don't care	Don't care
Actions							
No charge on Green Fees	Y	N	N	N	N	N	N
£12 Green Fees	N	N	N	Y	Y	N	N
£16 Green Fees	N	N	N	N	N	N	Y
£18 Green Fees	N	Y	Y	N	N	N	N
£22 Green Fees	N	N	N	N	N	Y	N
Buggy/Cart allowed	Y	Y	Y	Y	Y	N	N
Buggy/Cart Free	Y	N	N	N	N	N	N
Buggy/Cart £5	N	N	Y	N	Y	N	N

The decision table above reflects a golf club's pricing structure for green fees and buggy/cart hire.

What is the expected result (actions) for each of the following two test cases (TC1 and TC2)?

* TC 1 – Paul is not a full member, is a Loyalty Card holder and requests to play 18 holes with a buggy/cart

* TC 2 – Cheryl is not at full member, doesn't have a Loyalty Card and requests to play 9 holes with a buggy/cart
* TC1 – E23 total charges including buggy hire; TC2 – E21 total charge including buggy hire
* TC1 – E18 total charges including buggy hire; TC2 – E16 total charge but no buggy allowed
* TC1 – E23 total charges including buggy hire; TC2 – E16 total charge but no buggy allowed
* TC1 – E17 total charges but no buggy allowed; TC2 – E21 total charge including buggy hire

NO.191 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?
* Technical Review
* Inspection
* Walkthrough
* Informal review

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