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ISTQB Certified Tester Foundation Level

iSQI CTFL-001

Version Demo

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Topic Break Down

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Topic 1, Scenario 1 "Medical Domain"	6
Topic 2, Scenario 2 "Reviews"	6
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Topic 5, Scenario 4, V2 "Test Management Tool"	4
Topic 6, Scenario 5, V1 "Human Resource System"	3
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Topic 8, Scenario 6, V1 "Independent Test Team"	4
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Topic 12, Scenario 7 "Test Estimation"	4
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Total	338

QUESTION NO: 1

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

QUESTION NO: 2

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: B C D

QUESTION NO: 3

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

QUESTION NO: 4

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

QUESTION NO: 5

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?

- A. 1
- B. 2
- C. 3
- D. 4

ANSWER: C**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 NO: 6

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: A B**QUESTION NO: 7**

Which of the following would be the TWO most appropriate examples of entry criteria documented in the system integration test plan? 2 credits

- A. The percentage of decision coverage achieved during unit testing.
- B. The availability of the latest version of the capture-replay tool (for testing the interface with the newly developed test management tool).
- C. The sign-off of a performance test software release note (test item transmittal report) by both development and testing showing that system performance meets the specified acceptance criteria.
- D. The percentage of acceptance test procedures scheduled for execution.
- E. The percentage of requirements coverage achieved during system integration test.

ANSWER: A B**QUESTION NO: 8**

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

QUESTION NO: 9

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

- A. a
- B. b
- C. c
- D. d
- E. e
- F. f

ANSWER: A B D

QUESTION NO: 10

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

- A. Status accounting of configuration items
- B. Auditing conformance to ISO9001

- C. Identification of test versions
- D. Record of changes to documentation over time
- E. Controlled library access

ANSWER: B

QUESTION NO: 11

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

QUESTION NO: 12

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

QUESTION NO: 13

Which THREE activities would be valid steps during the development of the test strategy? 2 credits (2 out of 3 correct 1 credit)

- A. Identify test staff members that will be involved in the system test
- B. Define test career paths
- C. Understand the software development life cycle used by the software house
- D. Assess the testing that needs to be done to minimize the risks
- E. Issue the test strategy document for review
- F. Define a master test plan template
- G. Perform a project risk analysis

ANSWER: C D E

QUESTION NO: 14

Since the system is in the medical domain and therefore in the safety critical area, testing needs to be rigorous and evidence is required that the system has been adequately tested. Identify THREE measures that would typically be part of the test approach in this domain and which are not always applicable in other domains! 1 credit

- A. High level of documentation
- B. Failure Mode and Effect Analysis (FMEA) sessions
- C. Traceability to requirements
- D. Non-functional testing
- E. Master test planning
- F. Test design techniques
- G. Reviews

ANSWER: A B C

QUESTION NO: 15

Identify THREE items that would be part of the work-breakdown structure showing the key testing activities for the acceptance test project. 2 credits (for 2 out of 3 correct 1 credit)

- A.** Test planning, test case preparation and test execution for each of the four iterations
- B.** Work should be explicitly allocated to test completion, test management, installation and to training on using the system
- C.** Activities to deploy the system in the user environment
- D.** Regression testing in the second, third and fourth iterations
- E.** Development activities for unit and integration testing
- F.** Reviews on requirements documentation
- G.** Defining test environment requirements for system testing

ANSWER: A B D