

# QUESTIONS & ANSWERS

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**GAQM**

# CTFL

*Certified Software Tester - Foundation Level (CSTFL)*

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**Question: 69**

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: 70**

In addition to risk, identify TWO other components of a testing strategy. 1 credit

- A. The entry and exit criteria for each test phase
- B. Test training needs for the project resources
- C. The test design techniques to be used
- D. Test performance indicators
- E. The test schedule

**Answer:** A,C

**Question: 71**

Considerable attention will be given in this project to defining exit criteria and on reporting back on their status.

Which combination of TWO exit criteria from the list would be best to use? 1 credit

- I. Total number of defects found
- II. Percentage of test cases executed
- III. Total test effort planned versus total actual test effort spent
- IV. Defect trend (number of defects found per test run over time)

Defect trend (number of defects found per test run over time)

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

D. (ii) and (iv)

**Answer:** D

**Question:** 72

Incorrect form of Logic coverage is:

- A. Statement Coverage
- B. Pole Coverage
- C. Condition Coverage
- D. Path Coverage

**Answer:** B

**Question:** 73

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

**Question:** 74

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 iteration.

**Answer:** C

**Question:** 75

Tests are prioritized so that:

- A. You shorten the time required for testing
- B. You do the best testing in the time available
- C. You do more effective testing
- D. You find more faults

**Answer:** B

### Question: 76

#### Topic 13, Mix Questions

What benefits do static analysis tools have over test execution tools?

- A. Static analysis tools find defects earlier in the life cycle.
- B. Static analysis tools can be used before code is written.
- C. Static analysis tools test that the delivered code meets business requirements.
- D. Static analysis tools are particularly effective for regression testing.

**Answer: A**

### Question: 77

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

- A. Test Implementation and execution
- B. Test Analysis and Design
- C. Evaluating the Exit Criteria and reporting
- D. Test Closure Activities

**Answer: B**

### Question: 78

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

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

**Answer: A**

### Question: 79

#### Topic 2, Scenario 2 "Reviews"

A software development organization wants to introduce some specific improvements to its test process. Currently,

most of their testing resources are focussed on system testing.

They are developing embedded software, and do not have a simulation environment to enable them to execute software modules on the development host. They have been advised that introducing inspections and reviews could be the most appropriate step forward.

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

**Question:** 80

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

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

**Answer:** D

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