CTAL-TM^{Q&As}

Certified Tester Advanced Level - Test Manager (CTAL-TM)

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QUESTION 1

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?

A. ISO 9126

B. IEEE 829

C. BS 7925/2

D. DO-178B

Correct Answer: D

QUESTION 2

Which of the following phases in the fundamental test process is considered to deliver a document which can be used as a major input for test process improvement?

A. Test planning and control

B. Test implementation and execution

C. Evaluating exit criteria and reporting

D. Test project closure

Correct Answer: D

QUESTION 3

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!

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

Correct Answer: ABC

QUESTION 4

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?

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

Correct Answer: BCD

QUESTION 5

During test process improvement it is recommended to use standards where possible. Standards originate from various sources and they cover different subjects in relation to testing.

Pick TWO sources of software standards, useful to software testing from the ones mentioned below.

A. ISO 9126-1 `Software engineering- Product quality Part 1: Quality model\\' is an international standard, that provides a basis on which to define quality assurance solutions.

B. ISA 4126-1 `Software engineering- Product quality Part 1: Quality model\\' is an international standard, that provides a basis on which to define quality assurance solutions.

C. BS-7925-2 `Software testing. Software component testing is a national standard used internationally. It covers a number of testing techniques that may be useful both on component testing level and on system testing level.

D. SY-395-01 `Standard for East Coast Hospital software\\' is a regional standard adapted from a national one. Besides hospital software, this standard ought to be used also by other types of software system in the region.

E. IEEE 829 `standard for software test documentation\\' is an international standard to be following mandatory by all testing origination regardless of lifecycle models.

Correct Answer: AC