Quiz 1 - Test Strategy and Design

Answer all questions. You need to score 40% or above to pass this evaluation.
Only one submission is allowed.

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Why software testing testing is important? *

☐ Improving performance

☐ Controlling the development team

☑ Preventing bugs

☐ Challenging the varying customer requirements

Feedback

The correct answer is right because x, y, z

Which of the following statements comparing functional testing and non-functional testing is/are TRUE? *

○ Functional testing evaluates the behavior of the system, whereas non-functional testing evaluates the functions that the system should perform.

○ Functional testing uses black-box techniques whereas nonfunctional testing does not use black-box techniques

◉ Functional testing is the testing of "what" the system should do, whereas non-functional testing is the testing of "how well" the system behaves

○ Functional testing can be performed at all test levels, whereas non-functional testing can be performed only at the system level

Which of the following TWO statements are TRUE with respect to regression testing and confirmation testing? *

☐ Confirmation testing and regression testing can be both performed at all test levels

☐ Confirmation tests find the root cause for defects and regression testing confirms that there are no side effects due to defect fixes

☐ Confirmation testing can be performed only at the system level but regression testing can be performed at all test levels

☑ Confirmation testing confirms that the original defect is fixed and regression testing confirms that that there are no side effects due to defect fixes

Which of the following statements (1-4) are related to different test type? (4 Marks) *

	Functional testing	Non-functional testing	White-box testing	Regression testing
Test design and execution requires knowledge of changes made to the system	○	○	○	◉
Test design and execution requires knowledge of how the code is built and how the data is stored	○	○	◉	○
Test design and execution requires knowledge of the business domain of the system	◉	○	○	○
Test design and execution requires knowledge of the inherent drawbacks of design or technology	○	◉	○	○

Which of the following requirements is testable? *

○ The system shall be user friendly

○ The safety-critical parts of the system shall contain 0 faults

◉ The response time shall be less than one second for the specified design load

○ The system shall be built to be portable

Which is a potential product risk factor? *

○ Failure of third party vendor

○ Training issues

○ Problems requirements definition

◉ Poor software functionality

Which of the following is most correct regarding the test level at which functional *
tests may be executed?

○ Unit and integration

○ Integration and system

○ System and acceptance

◉ All levels

What is not considered as a black box testing method ? *

○ Equivalence Partitioning

○ Boundary Value Analysis

○ Decision Table

◉ Condition Coverage

Which is not true-The black box tester ? *

◉ Should be able to understand the source code.

○ Should be able to understand functional specification or requirements document

○ Is highly motivated to find faults

○ Is creative to find the system's weaknesses

Who is the party mainly using White box testing ? *

○ Manual QA Testers

○ Automation QA Testers

◉ Developers

○ Business Analysts

What is not a main component of a Test case ? *

○ Description

◉ Risk Condition

○ Precondition

○ Expected Results

When reporting a bug we should include ? *

☑ A Proper description

☑ Actual and Expected results

☐ Testers Name and contact details

☑ Severity and Priority

Please rate the severity and priority of the following bug - "When clicked on the   *
Admin panel link, the user is navigated to the error page" The Admin panel
functionality is rarely used" ?

○ High Severity High Priority

○ Low Severity High Priority

◉ High Severity Low Priority

○ Low Severity Low Priority

Why do we use test design techniques ? *

☐ To design test cases scientifically

☑ To improve the capability to find faults

☑ As a Best Practice

☐ As mandated by the test process guidelines

An employee has $4000 of salary tax free. The next $1500 is taxed at 12% The   *
next $28000 is taxed at 24% Any further amount is taxed at 36% Which of these
groups of numbers would fall into the same equivalence class ?

○ $4800; $14000; $28000

○ $5200; $5500; $28000

○ $28001; $32000; $35000

◉ $5800; $28000; $32000

Why are error guessing and exploratory testing good to do ? *

◉ They can find defects missed by specification based and structure-based
techniques.

○ They don't require any training to be as effective as formal techniques.

○ They can be used most effectively when there are good specifications.

○ They will ensure that all of the code or system is tested.

What are the boundary values tester has to test in following scenario "The
Maximum number of characters that can be entered in to the field is 150" ?   *

○ Character values - 0,1,150,160

◉ Character values - 0,1,150,151

○ Character values - -1,0,150,151

○ Character values - 0,1,151,152

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