1. What is manual testing?

* Manual testing is a type of software testing where testers manually execute test case without using any automation tools
* Manual testing is the most primitive of all testing types and find helps bug in the software testing
* Any new application must be manually tested before its test can be automated, manual test require more effort, but it is necessary to check automation feasibility

1. Goal of manual testing?

* The key concept of manual testing is to ensure that application is error free and it is working to the specified functional requirements
* Test suite or case are designed during the testing phase and should have 100% test coverage
* It also make sure that reported defect are fixed by developer and re testing has been performed by testers on the fixed object

1. Type of manual testing?

* Acceptance testing
* integration testing
* Unit testing
* System testing
* Black box testing
* White box testing

1. Manual testing VS automation testing?

* Manual testing requires human intervention for test execution
* Automation testing is to use tool to execute test
* Manual testing will require skilled labor, long time and high cost
* Automation test save time, cost and manpower, once recorded its easier to run automated test suite
* In manual Any type of application can be tested manually
* Automation testing is recommended only for stable system and

1. Tools of automate manual testing

* Selenium
* QTP[Quick Test Professional]
* JMETER
* ALM

1. What is automation test?

* Automation testing means is using an automation tools to execute test case
* Using an automation tool it’s possible to record this test suite and re play it as required
* Once the test suite is automated, no human intervention is require

1. Why automated testing?

* Automated software testing is important due to some reasons like:
* Manual test take long time, high cost, require human intervention for test execution
* It is difficult to test multi language site in manually
* Automation does not require human intervention
* Automation increase speed of test execution
* Sometime automation can be boring

1. Which test cases to automate?

* High risk🡪 business critical test cases
* Test cases that are executed repeatedly
* Test cases that are difficult to perform manually
* Test cases which are time consuming

1. Which test cases should not be automated?

* Test cases that are newly designed and not executed manually at least one
* Test cases for which the requirements are changing manually
* Test cases which are executed on ad hoc basis

1. Benefits of automation testing?

* 70% faster than the manual testing
* Wider test coverage of application
* Reliable in result
* Ensure consistency
* Save time and cost
* Improves accuracy
* Re-usable test cases

1. What is unit testing & why?

* Unit testing of software application is done during of development of an application
* The goal of unit testing is to isolate each part of the program and verify that each individual parts or section are correct

1. What is integration testing & why?

* In integration testing, individual software modules are integrated logically and tested as a group
* A typical software project consists of multiple software module coded by different programmers

1. What is system testing?

* System testing is the testing of a complete and fully integrated software product

1. What is black box testing and why?

* Black box testing is a type of testing that examines the functionality of an application based on the requirement specification
* Black box testing also known as behavioral testing in which internal structure/design/implementation is being tested
* Incorrect / missing function
* Interface Errors
* Error in data structure or internal database access
* Performance error

1. When black box testing is applicable to?

* Black box testing are applicable to
* Integration testing
* System testing
* Acceptance testing

1. White box testing and why?

* White box testing also known as code based testing or structural
* White box testing is a testing method in which internal structure known to tester who is going to test the software
* Internal security hole
* Broken or poorly structured path in the coding process
* Expected output
* Functionality and each statement

1. When white box testing is applicable to?

* Unit testing
* Integration testing
* Regression testing

1. What is smoke testing?

* Smoke testing is a kind of software testing that performed after software build to make sure that the critical functionality of the program is working fine
* The purpose is to reject a badly broken application, so that the software testing team doesn’t waste time installing and testing of software application

1. What is sanity testing?

* Sanity testing is kind of software testing that performed after receiving a software build, with minor changes in code or functionality to make sure that the bugs has been fixed and no further issues are introduced due to these change

1. What is regression testing?

* Regression testing is defined as a type of software testing to confirm that a recent program or code changes has not affected existing features
* This testing is done to make sure that the new code change should not have side effects on the existing code

1. What we do in regression testing?

* Change in requirements and code is modified according to the requirement
* New features is added to the software
* Defect fixing
* Performance issue fix

1. Functional testing?

* Unit testing
* Integration testing
* Smoke testing
* Sanity testing
* UAT

1. Non functional testing?

* Performance testing
* Load testing
* Stress testing
* Volume testing
* Scalability testing

1. Maintenance testing?

* Regression testing
* Maintenance