**Module-4 Automation Core Testing**

**(Load Runner Up and Selenium IDE)**

1. Which components have you used in Load Runner?

**Ans. :** Controller, Load Generator, Agent Process, Planning the Load Test, Create a VUGen Script, Scenario Creation, Run Scenario.

1. How can you set the number of Vusers in Load Runner?

**Ans. :** Run the actual test with a full load.

Collate the result after test completion.

Open the result file in the LoadRunner Analysis Tool.

Open the “Connections” graph. Graphs->Add New Item->Add New Graph->Web Resources->Connections.

Hover the mouse on the graph and get the “Number of Connections” value.

1. What is Correlation?

**Ans. :** Correlation tests are used to test the association between two quantitative variables.

1. How Load Runner interacts with the application?

**Ans. :** LoadRunner simulates user activity by generating messages between application components or by simulating interactions with the user interface such as key presses or mouse movements.

1. How many VUsers are required for load testing?

**Ans. :** there are 10000 Vusers required for load testing.

1. What is the relationship between Response Time and Throughput?

**Ans. :** The response time for an average transaction tends to decrease as you increase overall throughput. However, you can decrease the response time for a specific query, at the expense of overall throughput, by allocating a disproportionate amount of resources to that query.

1. What is Automation Testing?

**Ans. :** Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions, and other test control and test reporting functions.

1. Which Are The Browsers Supported By Selenium Ide?

**Ans. :**  Firefox, Chrome, Edge, IE, and Safari are the supported by selenium ide.

1. What are the benefits of Automation Testing?

**Ans. :** 70% faster than the manual testing, Wider test coverage of application features, Reliable in results, Ensure Consistency, Saves Time and Cost, Improves accuracy, Human Intervention is not required while execution, Increases Efficiency, Better speed in executing tests.

1. What are the advantages of Selenium?

**Ans. :** Language and Framework Support, Open Source Availability, Multi-Browser Support, Support Across Various Operations, Ease of Implementation, Reusability and Integrations, Flexibility, Parallel test execution and faster market launch.

1. Why testers should opt for Selenium and not QTP?

**Ans. :**  Testers should opt for Selenium and not QTP Selenium is OS independent and allows test scripts to run across all browsers.