Module-4 Automation Core Testing (Load Runner Up and Selenium IDE)

1) Which components have you used in Load Runner?
Virtual user generator
Controller
Analyzer

2) How can you set the number of V users in Load Runner?
We have to add the particular script which we want to run. There we have to set the number of V users to run for that script, but you have to add V users depending on the your load runner license for how many V users it supports.

3) What is Correlation?
To connect session with user is called correlation.

4) What is the process for developing a V user Script?
A V user script may be created in four steps.
Step 1: record the V user script.
Step 2: playback and improve the recorded v user script
Step 3: define and test the different run-time parameters.
Step 4:use the script in a load runner scenario

5) How Load Runner interacts with the application?
Virtual user generator
Controller
Analyzer

6) What is the relationship between Response Time and Throughput?
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.

7) What is Automation Testing?
Automation testing refers to the practice of using software tools and scripts to automate the execution of tests in software development and quality assurance processes. It involves creating scripts or test cases that can be run automatically, rather than requiring manual effort.

8) Which Are The Browsers Supported By Selenium Ide?

Edge
Safari
Firefox
Chrome

9) What are the benefits of Automation Testing?

Faster feedback
Increased test coverage
Cost saving
Early bug detection
Lowered operating costs
Improved worker safety
Reduced factory lead times
Increased production output

10) What are the advantages of Selenium?

Support for major languages
Flexible test management
Multi browser use
Open source
Cross-platform support like windows, macOS, and Linux.
Multiple language support like java, Python, Ruby , and JavaScript
Ease of implementation

11) Why testers should opt for Selenium and not QTP?

Cost
Selenium : open-source and free to use, making it highly cost-effective.
QTP : primarily supports internet explorer and limited support for other browsers.
Programming Language support
Selenium: Allows more languages such as Java, Python, Ruby, JavaScript and Kotlin.
QTP : uses VBScript for scripting, limiting testers to one programming language.
Test execution
Selenium : supports parallel test execution and remote execution through selenium grid speeding up the testing process.
QTP : while it supports parallel execution, it is generally slower and less scalable compared to selenium grid.