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

1. Which components have you used in Load Runner ?

Ans –Virtual User Generator

 - Analysis
 - Controller

2. How can you set the number of Vusers in Load Runner?
   Ans-You can set the number ofVusers in the controller section while creating your scenarios. Many other advanced options like ramp-up, ramp-down ofVusers are also available in the Controller section.

3. What is Correlation?
   Ans - Correlation is used to obtain data which is unique for each run of your test script (ex: session ids). While recording, these dynamic values are hard-coded in your script causing the script to fail during playback. Correlation is a technique where dynamic values are not hard-coded in your script but are extracted at run-time to avoid failure.

4. What is the process for developing a Vuser Script?

   Ans-   Recoding the vuser script

   ➢ Edit the vuser script
   ➢ Runtime setting
   ➢ Run the vuser script in stand-alone mode.
   ➢ Incorporate the vuser script into a load runner scenario.

5. How Load Runner interacts with the application?
   Ans - Protocol is used in Load Runner to interact with the application.

6. How many Vusers are required for load testing?

   Ans - This is essentially a trick question.

   The number of VUsers required depends on your system under test, network configurations, hardware settings, memory, operating system, software applications objective of a performance test. There can not be any generic value for Vuser.

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

   Ans - The Throughput shows the amount of data in bytes that the Vusers received from the server in a second. When It is compared with transaction response time, throughput and response time get decreased.The peak throughput and highest response time would occur approximately at the same time.

8. What is the difference between hits/second and requests/second?
   Ans - Hits per second mean the number of hits the server receives in one second from the vuser.

   Request per second is the number of request the vuser will request from the server.

Selenium IDE

9.   What is Automation Testing?

   Ans - Testing technique that uses automation testing tools to control the environment set-up, test execution and results reporting. It is performed by a computer and is used inside the testing teams.

10.   Which Are The Browsers Supported By Selenium Ide?

   Ans - The main limitation of Selenium IDE is that, it supported in only Firefox browser.

11.   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
   - Re-usable test scripts
   - Test Frequently and thoroughly
   - More cycle of execution can be achieved through automation
   - Early time to market

12.   What are the advantages of Selenium?

   Ans - Open source, free to use, and free of charge.
   Highly extensible.
   Can run tests across different browsers.
   Supports various operating systems.
   Supports mobile devices.
   Can execute tests while the browser is minimized.
   Can execute tests in parallel.

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

   Ans -Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.