**Software Testing**

**MODULE – 4 Automation core testing(Load runner up & Selenium IDE)**

**1.Which components have you used in load Runner?**

* We have used three components in HP load runner:
* 1.Vitual user generator – for generating scripts
* 2.Controller– for creating & executing scenario
* 3.Load runner Analyzer -To analyze results

**2.How can you set the runner of Vusers in load runner?**

* We can set the number of Vusers in the controller section with the help of ramp-up & ramp-down option while creating scenarios

**3.What is correlation?**

* Correlation is the relationship between two or more variables. It helps in getting information for the relationship in a way that the user can decide on for future planning or action to be taken

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

* 1.Record the Vuser Script
* 2.Playback the recorded Vuser script
* 3.Define the run time settings & check
* 4.Incorporate the script in the load runner

**5.How load runner interacts with the application**

* Protocol is used in load runner to interact with the application

**6.How many Vusers are required for load testing**

* The number of Vusers required depends on objective of test, system under test&operating system

**7.What is the relationship between Response time & Throughput**

* The throughput graph shows the amount of data in bytes that the Vusers received from the server in a second
* When we compare this with the transaction response time, we will notice that as throughput decreased, the response time also decreased

**8.What is the difference between hit/second & request/second**

* Hit per second means 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

**9.What are the benefits of automation testing**

* 1.Increase in test coverage
* 2.Provides greater accuracy
* 3.Reduces regression testing time
* 4.Time & cost saving
* 5.Performs task that cannot be performed by manual tester
* 6.Reusability of test scripts

**10.What are the advantage of selenium**

* 1.It is an Open source tool
* 2.Supports a many language like java, PHP, python, java script, ruby & more
* 3.It can operate & support multiple operating system like windows, mac, Linux, Unix
* 4.It provides supports across multiple browser like internet explorer, chrome, Firefox, opera
* 5.It offers user friendly interface, that helps to create & execute tests easily

**11.Why tester should opt for selenium & not QTP**

* QTP is a commercial tool, it supports on windows OS & uses only one language that is VB script
* Whereas Selenium is an open source tool, many languages like java, PHP, python, support multiple operating system like windows, mac, Linux, Unix, provides supports across multiple browser like internet explorer, chrome etc.
* Thus, tester should opt for Selenium

**12.What is automation testing**

* Automation testing is a software testing technique which is performed using special automated testing tool to execute test cases
* Automation testing uses script to execute test cases

**13.Which are the browsers supported by selenium IDE**

* Selenium IDE provides supports only for chrome & fire fox browser