**Module 4**

**Automation core testing**

**1. Which component have you used in Load Runner?**

**Ans**. Load Runner is a software testing tool from Open Text. It is used to test applications, measuring system behavior and performance under load. Simplified Chinese, Dutch, English, French, German, Italian, Japanese, Korean, Portuguese-Brazilin, Russian, and Spanish.

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

**Ans**. You can set the number of Vusers in the controller sections. Many other advanced options like ramp-up, ramp- down of Vusers are also available in the controller section.

**3. What is correlation ?**

**Ans**. Correlation is a statistical measure that indicates the extent to which two or more variables Fluctuate about each other. A positive correlation indicates the extent to which those variables increase or decrease in parallel; a negative correlation indicates the extent to which one variable increases as the other decreases.

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

**Ans**.

Step 1- Record the Vuser script

Step 2 - Playback and improve the recorded vuser script.

Step 3 – Define and test the different run-time parameters.

Step 4- Use the script in a Load Runner scenario.

**5. How does Load Runner interact with the application?**

**Ans.** Load Runner simulates user activity by generating messages between application components or by Simulating interactions with the user interface such as key presses or mouse movements. The Messages and interactions to be generated are stored in scripts.

**6. How many users are required for load testing?**

**Ans.** Data is fundamental to a successful load test. The database of the system under test needs to have enough data in it to ensure queries executed during the test force the database query optimizer to use the same explain plan as it would in production.

**7. What is the relationship between response time and throughput?**

**Ans.** It is the time calculated when the user sends the request till the request is finished. Throughput: it is server property that several transactions or requests can be made during a certain amount of time. here 1.19832 / minute means the server can have 1.19832 samples per minute.