1)-- Which components have you used in Load Runner?

Ans – VU Generator :

1. Recording
2. Replay
3. Screenshot
4. Automatically code generate
5. No of v. User selection

* Controller :

1. Set up the design
2. Start scenario
3. Automatically graph

* Analysis :

1. Open all graph

2 )-- What is Correlation?

Ans -- Correlation, in statistics, refers to the relationship between two variables. It tells you how much two things tend to change together, but it doesn't necessarily mean one causes the other

3)-- What is the process for developing a Vuser Script?

Ans – 1. Record Like a Movie

1. Watch and Rewind
2. Make it Smarter
3. Test Kitchen Time
4. Cook in Bulk
5. The Big Feast

4)-- How Load Runner interacts with the application?

Ans --  **Simulating User Interface (UI) Interactions:**

* This is commonly used for web applications or desktop software.
* Load Runner records your actions as you interact with the application's interface (clicks, typing, menus).
* It translates these actions into a script.
* During testing, Load Runner replays the script, acting like a virtual user performing the recorded actions.
* Think of it as a remote control for the application, mimicking real user behavior.

 **Simulating Network Traffic:**

* This is used for applications that communicate over a network (web services, APIs).
* Load Runner focuses on the communication protocol (like HTTP) used by the application.
* It creates scripts that send simulated messages to the application, mimicking real user requests.
* The scripts can be built manually or recorded by capturing actual network traffic.
* Here, Load Runner acts like a bunch of virtual users sending requests to the application server, simulating real-world load.

5)-- How many VUsers are required for load testing?

Ans -- there types of VUseres are required for load testing

 **Expected User Load:** How many concurrent users do you anticipate your application to handle? This could involve peak hourly traffic or average user numbers.

 **Application Type:** Web applications tend to have different user behavior patterns compared to database applications. Consider the typical user actions and how you want to simulate them.

 **Performance Goals:** Are you aiming to identify bottlenecks or measure scalability under extreme stress

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

Ans --  **Response Time:** This refers to the time it takes for a system to respond to a request. It's essentially the wait time experienced by a user from initiating an action to receiving a response.

 **Throughput:** Throughput, on the other hand, signifies the rate at which a system can process requests. Imagine a highway; throughput would be the number of cars that can pass a point on the road per unit time.

7) -- 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.

8)-- Which Are The Browsers Supported By Selenium Ide?

Ans – 1. Selenium Integrated Development Environment (IDE)

2. Selenium Remote Control (RC)

3. Web Driver

4. Selenium Grid

9) -- What are the benefits of Automation Testing?

Ans—

* 1. 70% faster than the manual testing
  2. Wider test coverage of application features
  3. Reliable in results
  4. Ensure Consistency
  5. Saves Time and Cost
  6. Improves accuracy
  7. Human Intervention is not required while execution
  8. Increases Efficiency
  9. Better speed in executing tests
  10. Re-usable test scripts
  11. Test Frequently and thoroughly
  12. More cycle of execution can be achieved through automation
  13. Early time to marke

10)-- What are the advantages of Selenium?

Ans –

* Very easy to use and install.
* No programming experience is required, through knowledge of HTML and DOM are needed
* Can export tests to formats usable in Selenium RC and WebDriver
* Has built-in help and test results reporting module.
* Provides support for extensions