**Module 3 (Testing on Live Application)**

1. **What is RDBMS**

* The software used to store, manage, query, and retrieve data stored in a relational
* database is called a relational database management system

1. **What is SQL**

* (SQL) is a standard language for database creation and manipulation.

1. **Write SQL Commands**

* **SELECT** - extracts data from a database.
* **UPDATE** - updates data in a database.
* **DELETE** - deletes data from a database.
* **INSERT INTO** - inserts new data into a database.
* **CREATE DATABASE** - creates a new database.
* **ALTER DATABASE** - modifies a database.
* **CREATE TABLE** - creates a new table.

1. **What is join?**

* The SQL JOIN is a command clause that combines records from two or more tables in a database

1. **Write type of joins.**

* Cross join.
* Inner join.
* Left outer join/left join.
* Right outer join/right join.
* Full outer join.

**6) How Many constraint and describes it self**

* Not Null Constraint.
* Unique Constraint.
* Default Constraint.
* Check Constraint.
* Primary Key Constraint.
* Foreign Key Constraint.

**7) Difference between RDBMS vs DBMS**

**DBMS RDBMS**

* DBMS stores data as file. RDBMS stores data in tabular form.

Data elements need to access individually.

* Multiple data elements can be accessed at the same time.

Normalization is not present. Normalization is present.

**8) What is API Testing**

* API testing is a type of software testing that analyzes an application program interface
* (API) to verify that it fulfills its expected functionality, security, performance and reliability. The tests are performed either directly on the API or as part of integration testing.

**9) Types of API Testing**

* Unit testing
* Integration Testing
* Performance testing
* Load testing.
* Runtime error detection
* Security testing
* Interoperability testing
* Fuzz tests

**10) What is Responsive Testing?**

Responsive testing involves how a website or web application looks and behaves on different devices, screen sizes, and resolutions

**11) Which types of tools are available for Responsive Testing**

* Responsive, Adaptive, and Fluid.

**12) What is the full form of .ipa, .apk**

* **IPA:** iOS package App Store
* **APK:** Android Application Package

**13) How to create step for to open the developer option mode ON?**

* On your device, find the Build number option. The following table shows the settings location of the Build number on various devices: ...
* Tap the Build Number option seven times until you see the message you are now a developer! ...
* Return to the previous screen to find Developer options at the bottom

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

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

* Load Generator

1. **How can you set the number of Vusers in Load Runner?**

* the number of Vusers in the controller section while creating your scenarios

1. **What is Correlation?**

* Correlation is a statistical measure that indicates the extent to which two or more variables fluctuate in relation to each other.

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

A user script may be created in four steps.

* Step 1- Record the Vuser Script.
* Step 2- Playback and improve the recorded user script.
* Step 3- Define and test the different run-time parameters.
* Step 4- Use the script in a Load Runner scenario.

1. **How Load Runner interacts with the application?**

* 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.

1. **How many VUsers are required for load testing?**

* 10,000 virtual users

1. **What is the relationship between Response Time and Throughput?**

* The response time for an average transaction tends to decrease as you increase overall throughput.

1. **What is the difference between hits/second and requests/second?**

* Hits per second mean the number of hits the server receives in one second from the user. Request per second is the number of requests the user will request from the server.

**Selenium IDE**

1. **What is Automation Testing?**

* Automated testing is a software testing technique that automates validating software's functionality and ensures it meets requirements before being released into production.

1. **Which Are Browsers Supported By Selenium Ide?**

* Google Chrome, Internet Explorer 7 onwards, Safari, Opera, Firefox

1. **What are the benefits of Automation Testing?**

* Faster Feedback Cycle.
* Testing on Multiple Platforms in Parallel.
* Reusability of Test Scripts.
* Easy Data-driven Testing.
* Test Insights.
* Maximum Test Coverage.
* 24X7 Test Execution
* Scalability.

1. **What are the advantages of Selenium?**

* Selenium is an open-source automation testing tool and it is free of cost to use

1. **Why should testers opt for Selenium and not QTP?**

* Selenium is OS-independent and allows test scripts to run across all browsers