**86 Agency Task MCQS AND SHORT ANSWER QUESTIONS**

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Multiple Choice Questions:

What is the primary objective of QA automation?

1. To streamline testing processes and improve efficiency.

2.Which of these options does not belong to the commonly used test automation frameworks?

D) Django

3.Which programming language is frequently employed for scripting Selenium WebDriver tests?

D) All of the above (Python, Ruby, JavaScript) 4.What method is typically used in Selenium to locate an element by its ID?

C) findElement(By.id("id"))

5. What is a recommended practice in test automation?

C) Regularly updating and refining test scripts

Short Answer Questions:

(1Q)Distinguish between a bug and a defect.

1. A bug is a specific issue or flaw in software that leads to incorrect or unexpected behavior. A defect is a broader term encompassing any deviation from expected results in software, including bugs but also potential vulnerabilities, performance issues, or inconsistencies with requirements or specifications.

(2Q) Define the Page Object Model (POM) and elucidate its advantages in test automation.

1. The Page Object Model (POM) is a design pattern used in test automation to enhance test script maintainability and readability. It involves creating separate classes for each web page or component, encapsulating locators and methods to interact with elements on the page. This approach centralizes page-specific logic and reduces code duplication, making test scripts easier to manage and update.

(3Q) What constitutes a flaky test, and what strategies can be employed to manage it effectively?

1. A flaky test is a test case that produces inconsistent results, sometimes passing and sometimes failing, without any changes to the application or the test itself. Flakiness can occur due to various factors such as timing issues, external dependencies, or environmental conditions. To address flaky tests, it's essential to investigate root causes thoroughly and implement strategies such as stabilizing test environments, reducing reliance on external factors, and implementing retries or assertions to improve test reliability.

(4Q) How would you prioritize test cases for automation?

1. Test case prioritization for automation should consider factors such as business impact, risk, and frequency of use. Critical functionalities, high-risk areas, and frequently used features should be prioritized for automation to maximize test coverage and efficiency. Additionally, tests that provide quick feedback and uncover defects early in the development cycle should be given priority.