Manual Testing:

1. What is Manual Testing and Why it is important?
2. What are the types of Manual Testing?
3. What are the key stages of Manual Testing?
4. What tools are commonly used in Manual Testing?
5. What are the advantages and disadvantages of Manual Testing?
6. What is the difference between verification and validation?
7. What is Exploratory Testing?
8. How do you write effective test cases
9. What is Regression Testing?
10. What are some best practices for Manual Testing?
11. How do you ensure test coverage?
12. What is a Test Plan?
13. What is Smoke and Sanity Testing?
14. What is the difference between Project and Product
15. What is an error/bug/defect?
16. What is a Defect Life Cycle?
17. What is Test Design and what are the different types of Test Design Techniques
18. What are Boundary Value Tests?
19. What are some common challenges faced in Manual Testing?
20. What is a Test Environment?
21. What are best practices for reporting defects?
22. What is RTM,Test Scnarios and Test Cases?
23. What is the significance of Traceability Matrix in Manual Testing?
24. What is Priority and Severity
25. How can you improve your testing efficiency?
26. What is Pair Testing?
27. What is Compatibility Testing?
28. What is the Test-Driven Development (TDD) approach?
29. What is Behavior-Driven Development (BDD)?

Agile:

1. What is Agile Testing?
2. Why is Agile Testing important?
3. How does Agile Testing differ from traditional testing?
4. What are common Agile Testing methodologies?
5. What is the role of a Tester in Agile?
6. What is the significance of User Stories in Agile Testing?

Selenium:

1. What are the main components of Selenium?
2. How does Selenium WebDriver work?
3. What is a WebElement in Selenium?
4. Which are Locators in Selenium ?
5. What is the difference between findElement() and findElements() in Selenium?
6. Which is the Locator which us used most, and which locator is used least?
7. What are Implicit and Explicit Waits in Selenium?
8. How can I handle multiple windows in Selenium?
9. How can I handle alerts in Selenium?
10. Can Selenium handle CAPTCHAs?
11. What are some common exceptions in Selenium?
12. What is the Difference between **driver.close()** and **driver.quit()** methods
13. What is headless mode, and how can I run tests in headless mode with Selenium?
14. How can I capture a screenshot in Selenium?
15. Explain the difference between XPath and CSS selectors. Which one is faster?
16. How do I manage dynamic content or elements that load asynchronously?
17. What is the difference between **driver.get()** and **driver.navigate().to()?**
18. How do I handle iframes in Selenium?
19. What is Page Object Model (POM), and why use it?
20. What is the Difference Between HardAssertions aad SoftAssertions?
21. What is Selenium's WebDriverWait, and how is it different from time.sleep()?
22. What is fluent wait in Selenium, and how is it different from explicit wait?
23. How can I execute JavaScript in Selenium?
24. How can I handle elements with dynamic IDs in Selenium?
25. How can I scroll to a specific element in Selenium?
26. What testing framework is being used in this project?
27. How are you managing test data in your project?
28. Can you explain the purpose of the BaseClass in your project?
29. How are you handling waits in your test scripts? Can you show an example?
30. What design pattern is being used in the page object classes?
31. How are you managing different environments (e.g., dev, staging, prod) in your test automation framework?
32. Can you explain the purpose of the ExtentTest object in your test classes?
33. How are you handling test failures and generating reports?
34. What strategy are you using for locating elements on the web pages?
35. How are you handling dynamic elements or AJAX calls in your tests?
36. How are you handling pop-ups or alerts in your test scripts?
37. How are you managing test execution for different browsers?
38. Can you explain the purpose of the JavascriptExecutor in your page object classes?
39. What strategy are you using for error handling and logging in your tests?

40. Can you explain the purpose of the ExpectedConditions class in your page object methods?
41. How are you handling dropdown selections in your test scripts?
42. How are you handling file downloads in your test scripts?

TestNG:

1. What is TestNG, and how is it different from JUnit?
2. What is the purpose of the @BeforeMethod annotation in your test classes?
3. How are you managing browser instances across different test methods?
4. How are you parameterizing your tests?
5. How do I run tests in parallel in TestNG?
6. How do I run only selected tests in TestNG?
7. How do I prioritize test methods in TestNG?
8. How do I handle global setup and teardown in TestNG?
9. How do I set up TestNG to run in Maven?
10. How can I dynamically generate tests in TestNG?
11. How do I run only failed tests from a previous run in TestNG?
12. How can I configure dependencies between tests in TestNG?
13. How do I perform parameterized testing in TestNG?
14. Can you explain the purpose of the Commons class in your project?
15. How are you managing dependencies in your project?
16. What is the purpose of the @FindBy annotation in your page object classes?
17. Can you explain the difference between @Test and @Test(enabled=false) in your test classes?
18. How are you ensuring test independence between different test methods?
19. What strategy are you using for test data management?
20. How are you handling timeouts in your test scripts?
21. Can you explain the purpose of the ITestResult parameter in your @AfterMethod methods?
22. What is the purpose of the Properties object in your test classes?
23. How are you managing test suites and test execution order?
24. What is testng.xml, and why is it used?
25. Can you explain the purpose of the @AfterMethod annotation in your test classes?
26. How are you handling test data cleanup after test execution?
27. What is the purpose of the Assert class in your test methods?
28. How are you managing test configurations across different environments?
29. What strategy are you using for test case prioritization?
30. Can you explain the purpose of the Status enum in your test methods?
31. How are you ensuring cross-browser compatibility in your test automation framework?

Cucumber:

1. What is Cucumber, and why is it used?
2. Can you explain the structure of your feature files? How are they organized?
3. What are the main components of a Cucumber test?
4. What is a Scenario Outline in Cucumber?
5. What are Cucumber hooks, and how do they work?
6. How do I tag scenarios in Cucumber?
7. How can I run specific tagged tests in Cucumber?
8. What is the Purpose of use dryRun options in CucumberOptions
9. Can I use Cucumber with a data-driven approach?
10. What is Background steps in Cucumber?
11. What are Cucumber expressions?
12. How do I handle parameterized steps in Cucumber?
13. How do I integrate Cucumber with Jenkins for CI/CD?
14. What are some best practices for structuring Cucumber test projects?

CI/CD:

1. What is CI/CD?
2. What are the benefits of CI/CD?
3. What tools are commonly used for CI/CD?
4. What are the key components of a CI/CD pipeline?
5. What is Jenkins?
6. What is a Jenkinsfile?
7. What is the difference between Continuous Integration and Continuous Deployment?