Q: How could you reduce the time to execute some or all of these test cases or if you had several sites to test?
A: By parameterizing the tests and adding them to Jenkins for timed parallel executions.

Q: Briefly (a few sentences is fine) describe how you would set up a pipeline on your preferred source control management platform to perform continuous integration testing of a simple frontend web based application. It could be anything you like eg a calculator that outputs the correct results from numbers you input..

A: In Jenkins I would:

- Create a new item of type pipeline.
- Configure it by linking it to my project in the pipeline section.
- Specify my Jenkinsfile script path if the pipeline script is not defined within the build.
- Specify the test execution file.
- Specify any parameters required by the test.
- Specify the test report definitions.
- Should the test need to be built periodically, specify schedule times.

Q: Describe briefly how you would run performance testing against a web based application.

A: I would:

- Determine which performance tests to execute (i.e load testing, stress testing, scalability testing etc.).
- Define performance benchmarks with acceptance criteria.
- Execute tests.
- Compare results with defined criteria and report on it.

Q: Describe briefly what kind of security testing you might perform against a web based application.
A: I would perform password **hacking**/cracking scenarios, SQL injection, Cross-site scripting as well as URL manipulation through HTTP methods.

Q: Describe how you might build in exception and error handling to your application.
A: Through try catch logic which would include logging (this is done on the assessment).