**1) What is Cucumber and what are the advantages of Cucumber?**

Cucumber is a method which implements BDD. To run functional tests written in a plain text Cucumber tool is used. It is written in a Ruby programming language.

Gherkin is the language that cucumber understands.

**Advantages of Cucumber**

* You can involve business stakeholders who cannot code
* End user experience is priority
* High code reuse

**2) What are the 2 files required to execute a Cucumber test scenario?**

The 2 files required to execute a Cucumber test scenario are

* Features
* Step Definition

**3) What is feature file in Cucumber? What does feature file consist of ?**

Feature file in cucumber consist of parameters or conditions required for executing code, they are

* Feature
* Scenario
* Scenario Outline
* Given
* When
* Then

**4) Give an example of behaviour driven test in plain text?**

* **Feature:**Visit **XYZ** page in abc.com
* **Scenario :**Visit abc.com
* **Given:**  I am on abc.com
* **When:**I click on XYZ page
* **Then:**I should see ABC page

**5) Explain what is Scenario Outline in feature file?**

**Scenario Outline**:  Same scenario can be executed for multiple sets of data using scenario outline.  The data is provided by a tabular structure separated by (I   I).

**6) What is step definition in Cucumber?**

A step definition is the actual code implementation of the feature mentioned in feature file.

**7) Give the example for step definition using “Given” function?**

For example to make visitor visit the site “Yahoo” the command we use for given

Given (/^ I am on www.yahoo.com$/) do

Browser.goto “http://www.yahoo.com”

end – This will visit www.yahoo.com

**8) What are the difference between Jbehave and Cucumber?**

Although Cucumber and Jbehave are meant for the same purpose, acceptance tests are completely different frameworks

* Jbehave is Java based and Cucumber is Ruby based
* Jbehave are based on stories while Cucumber is based on features

**9) Explain what is test harness?**

A test harness for cucumber and rspec allows for separating responsibility between setting up the context and interacting with the browser and cleaning up the step definition files

**10) Explain when to use Rspec and when to use Cucumber?**

* Rspec is used for Unit Testing
* Cucumber is used behaviour driven development. Cucumber can be used for System and Integration Tests

**11) What is the language used for expressing scenario in feature file ?**

Gherkin language is used to express scenario in feature files and ruby files containing unobtrusive automation for the steps in scenarios

**12) Explain what is regular expressions?**

A regular expression is a pattern describing a certain amount of text.  The most basic regular expression consists of a single literal character

**13) Explain what is BDD (Behaviour Driven Development) ?**

BDD or Behaviour driven development is a process of developing software based on TDD (Test Driven Development) which focusses on behavioural specification of software units.

**14) What softare do you need to run a Cucumber Web Test ?**

* Ruby and its Development Kit
* Cucumber
* IDE like ActiveState
* Watir ( To simulate browser)
* Ansicon and rspec (if required)

**15) What does a features/ support file contains?**

Features/ support file contains supporting ruby code. Files in support load before those in step\_definitions, which can be useful for environment configuration.