**TCS Interview Questions:**

**QA Engineer questions**

**First set**

1. What are the different frameworks you've worked on?
2. Were those frameworks already built in the organization or have you contributed in that development?
3. Does every project has a separate framework created or will they use a common framework?
4. If common framework is used, how do you customize if there are any specific driver needs?
5. Give a real time example of the usage of method overloading in any of your projects.
6. What is Java Generic?
7. Explain couple of technical challenges while creating Automation test scripts.
8. How do you handle the segregation/splitting of the base functions file if lines of code is getting huge?
9. List out different files that are involved in the Automation framework.
10. Have you used abstract class or interface concepts ? If so, explain how?
11. Give an example of usage of how encapsulation is achieved in any of your projects.
12. Explain Selenium webdriver Architecture?
13. Locators in selenium
14. Boolean program
15. URL given- write Xpath in selenium
16. Day to day activities in project
17. How do u work with bug in log files
18. How do you handle Production bug
19. how do u convince developer about you bug?
20. How do get first 5 strings of a word?
21. how do you split the helloworld to hello world.

**Second set**

**Automation questions:**

1. How do you achieve synchronization in Selenium?
2. Explain Selenium architecture?
3. How do you handle Alert?
4. How do you deal with Drag and Drop in Selenium?
5. How do you convert String to int?
6. How do you convert int to String?
7. What is the interface in JAVA?
8. What is Encapsulation in JAVA?
9. How do you work with Robot class in Selenium?
10. JAVA programs.
11. Find xpath?
12. Windows and Unix commands?
13. How do you convert date format to String?

**Agile Questions**:

1. Did you lead the team?
2. What is Traceability matrix?
3. How important is Regression testing?
4. How do you log the defect and what do you include when you log the defect?
5. What activities do you do when you take up user stories?
6. What are the technical challenges you face?
7. What kind of exceptions did you encounter?
8. What do you do when a developer says the defect is not reproducible?
9. When you automate a web application what do you automate first?
10. Given a Scenario and asked questions on that.
11. Why should we hire you?

**Set 3**

1. What are the different frameworks you've worked on?
2. Were those frameworks already built in the organization or have you contributed in that development?
3. Does every project has a separate framework created or will they use a common framework?
4. If common framework is used, how do you customize if there are any specific driver needs?
5. Give an real time example of the usage of method overloading in any of your projects.
6. What is Java Generic?
7. Explain couple of technical challenges while creating Automation test scripts.
8. How do you handle the segregation/splitting of the base functions file if lines of code is getting huge?
9. List out different files that are involved in the Automation framework.
10. Have you used abstract class or interface concepts ? If so, explain how?
11. Give an example of usage of how encapsulation is achieved in any of your projects.

**Set 4**

1. How will you log defects in JIRA?
2. How will you manage defect Management?
3. What are the parameters you will consider while creating test case?
4. How you will create user stories.
5. Why Selenium is used.
6. What is the uniqueness in selenium compared with other automation tools.
7. Why xpath used in Selenium,
8. Functions to convert String to int, Date to string . et.c
9. <<All the basic questions in Selenium>>
10. What is OOPS
11. What is Sync and Async method
12. What is polymorphism.
13. Write a code to inverse the Array

**Set 5 :**

1. Tell me about yourself (tools + Framework).
2. Explain in details on Framework from scratch, POM, dependencies, Page class, utilities class.
3. Method that uses for entering the text. (How the method looks like) Share Screen. Generic Method
4. Automation Scenario (go to google site, and send key “Freedom”) There will be list of some other word such as “Freedom mortgage”, “Freedom CreditUnion”, “Freedom Circle”. He wanted “Freedom CreditUnion” without typing the entire word.
5. Java code: print only 3 characters on length of the word that has odd number. EX. “CANDY” = “AND”. If even “SILVER” = LV.
6. Give percentage of doing manual/ automation
7. What would you include in log of defect?
8. If the requirement (Backlog) is not clear, who would you talk to?
9. Find defect on production stage and it cause by your release, what would you do?
10. What happen if you raise the defect, but the developer disagrees?
11. Why should we hire you?

**Latest : From Recruiters:**

1. When you are testing for a comparison between Date. How will you write a script to test with respect to the Date/Time in the local PC/Laptop.
2. If I want to test for Date & Time in different Time Zone, How to write the selenium scripts.
3. If I want to write the test scripts to test the Geo location . How to write the test scripts.
4. Write a test Scripts to do following testing .
   1. Go to Amazon.com, type a product name and click enter
   2. Check if relevant product name is displayed in top 10 test results
5. Write a test Scripts to do following testing .
   1. Go to google.com, type a name and click enter
   2. Check if relevant search results is displayed in top 10 test results
6. How will you write test scripts for below scenario.
   1. There are 3 Drop down box
   2. Dropdown 1 has list of values. On select of the value in Drop down 1 . The corresponding values in Drop 2 will be displayed.
   3. On select of the value in Drop down 2 , drop down 3 will be displayed.
7. How will be write scripts to test Interfaces.
8. If a RTM is given , How will you trace back the requirement from Test scripts.
9. Write a Java code to reverse the Array
10. Write the Java code to add all the prime numbers in a given array
11. Write a Java code to add all the Odd/Even numbers in a given array
12. Write a Java code to capture null pointer exception .
13. Write a Java code to check if effective Date > Exp date. If yes then display the error message.
14. What is user story ?
15. What is Epic?
16. How Epic and user story are linked
17. What is Acceptance Criteria
18. Have you created Velocity for an Agile project ? If yes how you will come up with velocity.