QA Definition : Quality assurance is a way of preventing mistakes and defects in manufactured products and avoiding problems when delivering products or services to customers.

What is build and release

Build: It is a number given to Installable software that is given to the testing team by the development team.

Release: It is a number given to Installable software that is handed over to the customer by the tester or developer.

**) Explain the steps for Bug Cycle?**

* Once the bug is identified by the tester, it is assigned to the development manager in open status
* If the bug is a valid defect the development team will fix it.
* If it is not a valid defect, the defect will be ignored and marked as rejected
* The next step will be to check whether it is in scope. If the bug is not the part of the current release then the defects are postponed
* If the defect or bug is raised earlier then the tester will assign a DUPLICATE status
* When bug is assigned to developer to fix, it will be given a IN-PROGRESS status
* Once the defect is repaired, the status will change to FIXED at the end the tester will give CLOSED status if it passes the final test.

What are the testing techniques

* Unit testing
* Integration testing and regression testing
* Shakeout testing
* Smoke testing
* Functional testing
* Performance testing
* White box and Black box testing
* Alpha and Beta testing
* Load testing and stress testing
* System testing

Test cases: Test case is a specific condition to check against the Application Under Test. It has information of test steps, prerequisites, test environment, and outputs.

Regression and retesting

Retesting is carried out to check the defects fixes, while regression testing is performed to check whether the defect fix have any impact on other functionality.