Interview Question

01 — SDLC ?

- Requirment
- Design
- Develpment
- Testing
- Deployment
- Maintenance

02 — STLC ?

- Requirment analysis
- Test planning
- Test case development
- Test environment setup
- Test excution
- Test closure

03 — QC & QA ?

QC : perform test activity to perfent defect

QA : test process , define root causes to prevent future defect

04 — Test type ?

Functional : what sys do

NonFunctional : How sys do

Structure :
the arcitecture (code - DB)

Change related :
retest - regression

05 — Test Level ?

unit testing

integration testing

System testing

Acceptance testing

06 — Test Techniques ?

Black box :
Functional & nonfunctional

white box:
structure (code & DB)

Experience based
Error gussing , check list
Exploratory tetsing

Interview Question

07 — Test Case ?

- ID
- Description
- Pre condition
- Steps
- Test data
- Expected result
- Status

08 — Bug Report ?

- ID
- Summary
- Description
- Steps to reproduce
- Expected result
- Actual result
- Environment
- Screenshot

09 — Bug life cycle

new
assigend
open
fixed
retest

closed   reopened

10 — Smoke testing

Verify that main function in software starts successfully

In initial builds when software is unstable

11 — Sanity testing

Verify that the bug fixed in the previous build & new feature

At the end phase of SDLC when software is stable

12 — Exploratory Testing ?

Perform testing without requirement

- Learn & Explore
- Test Design
- Test excution
- Analysis

Interview Question

13 — Test Deliverables

- Tes strategy
- Test plan
- Test scenario
- Traceability matrix
- Test cases
- Test closure report
- Test summary report

14 — Static Testing

Its technique which test software without executing

It involves :
- code walkthrough
- Informal reviewing
- Peer review
- inspections

15 — Dynamic Testing

It checks for functional behavior of software system, memory usage performance of the system

It involves :
- Functional testing
- Nonfunctional Testing

16 — Error , Defect Bug , Failure

Error : developer made mistake in code

Defect : the variation between Expected , Acual result

Bug :Tester find any mismatch in the system

Failure: Customer find issues in deployed product

17 — Entry criteria

gives the prerequisite items that must be completed before testing can begin.

- Identify types of tests to be performed.
- Gather details about testing priorities and focus.
- Identify test environment
- Automation feasibility analysis

18 — Exit criteria

defines the items that must be completed before testing can be concluded

- Ensuring all critical Test Cases are passed
- Identifying and fixing all the high-priority defects
- Fixing and ensuring that none of the identified Critical/Severity 1 defects are in Open Status

Interview Question

API ? **19**

is a computing interface which enables communication and data exchange between two separate software systems

API Testing **20**

is a software testing type that validates Application Programming Interfaces

The purpose is to check the functionality, reliability, performance, and security of the programming interfaces

API Method **21**

Get : Request information about API resource

Post : Create a REST API resource

Put : Update a REST API resource

Delete : Delete a REST API resource or related component

API Status Code **22**

200 : Good
400 : Bad Request
401 : Unauthorized
403: Forbidden
404 : Not Found
500 : Internal Server Error

SOAP API **23**

- **SOAP** stands for Simple Object Access Protocol
- **is** an application communication protocol
- **is** a format for sending and receiving messages
- **is** platform independent
- **is** based on XML

REST API **24**

- is (Representational State Transfer)
- based on URIs and the HTTP protocol
- facilitate client-server communications and architectures
- Rest use Json