

- Q) Explain in detailed manner about walk-through formal inspection and correctness in testing. When are we used?
- A) walk-throughs: Informal peer reviews help inspectors to detect detection issues.
- Q) write the significance of traditional testing process. Acceptance
- TDD and developer TDD.
- A) Traditional Testing vs TDD
- Traditional :- Testing after development, without much mod.
- Acceptance TDD:- write test from user requirements first
- \* Developers TDD: write unit tests before code
- TDD :- Better design + fewer bugs.
- Q) explain the importance of test planning in the SLL method
- Key points about the documentation of requirement verification is crucial in SW development?
- A) Test planning:- Define what when how and who?
- Requirement Doc :- ensure clarity completeness and test traceability.
- Define test case and explain what are the pre-conditions and post conditions in test cases and
- A) Test Cases :- steps to verify a functionality or pre-condition state before test. E.g. logins, no post condition - state after test eg:- data saved

⑤ Explain the role of check pointing and how can an adaptive project schedule combined with strategic check pointing help mitigate risks and ensure the project stay on track.

(A) Check Pointing:- Regular progress review helps to know about the progress and helps to delay and reduce risk involved in the project.

Adaptive Schedule:- Adjust plan based on project from case study.

⑥ illustrate all steps involved in creating a test case from case study.

⑦ Read Requirements

Define scenarios and follow GAT workflow

writing steps Hot fix if yes : GAT workflow + Add expected result and power + update porting = GAT Review.

⑧ Provide a concise explanation of the primary objectives of security testing.

Securing by testing 1. Objectives 2. mitigation 3. Find vulnerability 4. tools such as - 100 known for protect data

5. prevent unauthorized access 6. monitor for any abnormal activity 7. deal with 8. Analyze the debugging capabilities of an integrated development environment (IDE) and their impact on development. Not should take additional time

(R)

## IDE Debugging

Tools :- break points step through watch.

Benefit :- Faster bug fixing & efficient coding.

Q) explain how would you perform thorough and effective test case developed from a case study and how to plan

-fly flaws

③ cover all flows

user variabilities

Trace to requirement

Spot missing logic.

⑩ write a short note on formal of test case DDC do and other data paths.

④ Test case format , DDC paths

format, ID, steps, expected Result

DDpaths :- variable defined required

DD paths :- Test all decision out comes.