



Manual Testing Interview - Quick Revision

Testing Fundamentals

Topic	Quick Recollection
SDLC vs STLC	Development phases vs Testing phases
Levels of Testing	Unit → Integration → System → UAT
Types of Testing	Functional vs Non-functional
Verification vs Validation	Are we building right? vs Right product?
Static vs Dynamic	Without execution vs With execution
Smoke vs Sanity	Build verification vs Specific feature check
Retesting vs Regression	Same defect check vs Full impact check
Black/White/Grey Box	No code vs Code vs Partial knowledge
Positive vs Negative	Valid input vs Invalid input
Adhoc vs Exploratory	Random vs Structured learning-based

STLC Phases

Topic	Quick Recollection
Requirement Analysis	Understand scope & gaps
Test Planning	Strategy, scope, resources, risks
Test Case Design	Write scenarios & cases
Environment Setup	Prepare test environment
Test Execution	Run test cases & log defects
Test Closure	Metrics, summary, lessons
Entry Criteria	Conditions to start phase
Exit Criteria	Conditions to complete phase
STLC Deliverables	Plan, cases, RTM, report

Other Infographics to Check:

1. API Cheatsheet
 2. Bug Lifecycle
 3. SQL Commands
 4. AI Terms
- Everyone must know

Test Artifacts

Topic	Quick Recollection
Test Plan	Testing roadmap document
Test Scenario	High-level what to test
Test Case	Step-by-step validation
Test Data	Input values for testing
RTM	Requirement coverage mapping
Test Summary Report	Final testing status report
Scenario vs Test Case	What to test vs How to test
Defect Report	Bug details with repro steps

Test Case Design Techniques

Topic	Quick Recollection
Equivalence Partitioning	Divide input into valid/invalid groups
Boundary Value Analysis	Test min, max, edge values
Decision Table Testing	Conditions vs Actions matrix
State Transition Testing	Behavior change based on state
Use Case Testing	End-to-end user flow
Error Guessing	Based on experience

Agile & Scrum

Topic	Quick Recollection
Agile	Iterative, incremental delivery
Scrum Roles	PO, SM, Dev Team
Sprint	2-4 week cycle
Daily Standup	15-min daily sync
Sprint Planning	Define sprint scope
Sprint Review	Demo completed work
Retrospective	Process improvement discussion
User Story	Feature from user perspective
Acceptance Criteria	Conditions to accept story
Definition of Done	When story is complete

Defect Management

Topic	Quick Recollection
Defect Life Cycle	New → Assigned → Fixed → Closed
Severity	Impact on system
Priority	Urgency to fix
Defect Leakage	Missed defect in production
Defect Rejection	Dev disagrees it's a bug
Defect Triage	Priority decision meeting
High Sev Low Priority	Minor UI in rarely used screen
Low Sev High Priority	Typo on homepage banner

Real-Time Scenarios

Topic	Quick Recollection
Unclear Requirements	Clarify with BA/PO
Dev says "Not a Bug"	Provide evidence & discuss
Unstable Build	Smoke test first
No Documentation	Exploratory testing
Production Defect	Root cause & impact analysis
Less Time	Risk-based testing

SQL Basics

Topic	Quick Recollection
SELECT	Retrieve data
WHERE	Filter condition
GROUP BY	Group similar data
ORDER BY	Sort results
INNER JOIN	Matching records
LEFT JOIN	All left + matched right
COUNT	Total records
Duplicate Records Query	GROUP BY + HAVING COUNT > 1

Reporting & Metrics

Topic	Quick Recollection
Daily Status Report	Execution & defect summary
Pass %	Passed / Executed × 100
Fail %	Failed / Executed × 100
Test Coverage	% requirements tested
Defect Density	Defects per module
Defect Aging	Open defect duration

10 AI Concepts

Topic	Quick Recollection
Artificial Intelligence (AI)	Machines simulating human intelligence
Machine Learning (ML)	Systems learning from data patterns
Deep Learning	Neural network-based ML
Generative AI	AI that creates text, images, code
Large Language Model (LLM)	AI trained on massive text datasets
Prompt	Instruction given to AI model
Prompt Engineering	Crafting effective AI instructions
Hallucination	AI generating incorrect confident answers
Bias in AI	Skewed output due to biased training data
AI in Testing	Test case generation, defect prediction, self-healing automation

Term	Interview-Ready Definition
Software Testina	Process of verifying and validating software to ensure it meets requirements and is defect-free.
SDLC	Software Development Life Cycle - phases involved in building software.
STLC	Software Testing Life Cycle - structured phases followed in testing.
Test Case	Step-by-step validation steps with expected results.
Test Scenario	High-level description of what needs to be tested.
Regression Testing	Re-testing existing functionality after code changes.
Smoke Testing	Basic testing to check if build is stable for further testing.

Term	Interview-Ready Definition
Severity	Impact of a defect on system functionality.
Priority	Urgency with which a defect must be fixed.
Defect Life Cycle	Stages a defect goes through from identification to closure.

Final Rapid Self-Check (30-Second Review)

- If you can confidently:
- Explain STLC without missing a phase
 - Write 2 test cases on the spot
 - Explain defect lifecycle clearly
 - Give 2 real-time project examples
 - Answer Agile flow confidently
- You are interview-ready.

