**✅ Complete Tosca Interview Prep Topics**

**🔹 Core Tosca Concepts**

1. **Workspace** (single-user, multi-user, repository, conflicts, versioning)
2. **Modules** (XScan, identification, dynamic controls, reusability)
3. **TestCases** (TestSteps, reusable blocks, design principles)
4. **ExecutionLists & Results** (execution priority, reports, debugging)
5. **TestCase Design (TCD)** (templates, attributes, combinations, constraints)
6. **Reusable Components** (libraries, reusable TestStepBlocks, shared modules)
7. **Dynamic Handling** (dynamic IDs, buffers, wildcards, regular expressions)

**🔹 Special Tosca Features**

1. **Recovery Scenarios** (handling unexpected popups, errors)
2. **Cleanup Scenarios** (resetting state after execution)
3. **Business Parameters** (parameterizing TestCases across projects)
4. **Data Management** (TBox Set Buffer, buffer operations, test data service (TDS))
5. **Verification & Conditions** (dynamic comparison, loops, result count)
6. **Libraries & Structuring** (folder strategy, naming conventions, reusability)
7. **Test Configuration Parameters (TCPs)** (system-wide parameters, self-defined TCPs)

**🔹 Integration & CI/CD**

1. **Jenkins Integration** (running Tosca tests in pipelines)
2. **Git/SVN/Repo Integrations** (if used in project)
3. **qTest Integration** (difference between qTest and Tosca Commander)
4. **Reporting & Logs** (standard reports, custom reports, dashboards)

**🔹 Testing Types with Tosca**

1. **Web Automation** (synchronization, handling dynamic controls)
2. **SAP Automation** (SAP GUI vs Web, dynamic IDs, module maintenance)
3. **API Testing** (SOAP vs REST, API Scan, chaining APIs)
4. **Database Testing** (SQL integration, verifying queries)
5. **Mobile Testing** (if applicable – Appium with Tosca, mobile controls)

**🔹 Agile, Strategy & Soft Skills**

1. **Test Strategy in Tosca** (granularity of TestCases, modular approach)
2. **Agile Process Alignment** (how Tosca fits in Agile, sprint-based automation)
3. **Defect Management** (when to debug vs when to raise a defect)
4. **Collaboration** (working with BA, Dev, manual testers in Agile)
5. **Process Improvements** (optimizing execution time, reducing maintenance)

**🔹 Tough/Scenario-based**

1. Test failing locally vs Jenkins (debugging CI/CD failures)
2. Handling random popup in execution
3. Combining SAP GUI + Web in one TestCase
4. Optimizing TestCases for frequent UI changes
5. Debugging intermittent failures
6. Scaling Tosca for thousands of TestCases