

**UNIT I**

**System Tools and Techniques:** What are system tools and techniques? , Classification of tools and techniques: Traditional tools , Structured tools and Software development tools; Analysis tools: Charting tools (Data/Fact collection tools) ,Dictionary tools (Data flow , Data dictionary , Structured English); Design tools: Specification tools, Layout tools; Development tools : Software Engineering tools , Coding tools , Testing tools)

**UNIT II**

**Test Case:** Test Case, Test Priority (Low/Medium/High), Module Name, Test Title, Pre-conditions, Dependencies, Test Steps, Test Data, Expected Result, Actual Result, Status (Pass/Fail) etc.

**Software Testing:** Why Test? , Beta Testing, Problems with Beta Testing, Black-Box / White-Box Testing, Advantages of Black Box / White-Box Testing, Automated Testing Tools (Selenium , Ranorex ,Sahi )

**Analyzer in LoadRunner :**How to use Analyzer in LoadRunner, Session explorer, Analysis Graphs (Average Response Time graph, Hits Per Second graph, Running VUsers graph, Throughput graph, Transactions Per Second graph, Transaction Performance Summary graph, Testing Strategy Used, Limitations and Constraints, Future Applications)

**UNIT III**

**Workshop/ Advance Training**