UNIX Shell Scripting

Unix – An Introduction
1. Features & Advantages
2. Unix Vs Linux
3. Unix Architecture
4. File Management
5. Comparative study between Windows & Unix
6. Vi Editor

Unix – About the Shell
1. Types of shells, Features
2. I/O Redirection Operators
3. Pipe Operator
4. Filter commands
5. Command Line Editing & Usage
6. History Mechanism

Unix Shell Scripting
1. Creating, Debugging & Executing shell scripts
2. Shell & Environmental variable
   - Initialization and Scope
3. Parameter Substitution
4. Operators
   - Arithmetic
   - Relational
   - Logical
   - Boolean
   - File Test
   - String
5. Flow control
   - If & If.. Else If Statements
   - While & Until Loop
   - For Loop
   - Select Loop
6. Array Variables
7. Built in script commands
   - eval & exec
   - break & continue
   - exit status

Advanced Scripting
1. Shell Initialization
   - Dot Files like .kshrc, .profile
   - Order of Execution
   - Aliases & Options
   - Predefined Shell Variables
2. Positional Parameters & shift command
3. Functions