

## **DISK OPERATING SYSTEM (DOS)**

**Operating System:** Basics of OS, functions of OS, DOS as OS, Getting started with MS-DOS, Starting PC; Booting sequence, Types of commands, Internal & external, reserve words, typing a command (Syntax of command).

**Files in MS-DOS:** Naming a file, permissible characters and extensions, reserve words, creating a file with copy con<xxx>. Commands like TYPE, COPY, RENAME, DEL, DATE, TIME, ATTRIB.

**Directory Handling:** MKDIR, CHDIR, RMDIR, TREE, SUBST, DELTREE, PATH, APPEND, editing files with Edit, cut, copy & paste, search with find.

**Disk Maintenance:** Format, Diskcopy, XCOPY, DISKCOPY, BACKUP RESTORE, LABEL, VOL.

**Batch File:** REM, ECHO, FOR, PAUSE, IF, GOTO replacable parameters %1 to %9 & %\* Autoexec.bat.

**Command:** Special features: redirection and filters; piping, MORE, SORT, FIND commands.

**Config. Sys:** Device Drivers, MEM managements, files Buffers, High memory area.

**Introduction:** Machine Hardware (Traps and Interrupts, Multimode Execution); Operating System Structure (Operating System Types, Operating System Kernel, the Boot Process).

**Process Management:** Process Scheduling; Process State; Scheduling Criteria; Scheduling Algorithms (First-Come First-Served, Shortest Job First, Shortest Remaining Time, Round Robin, Priority, Multilevel feedback Queues); Scheduling Algorithm Performance; Process Attributes (Run State and Scheduling, Memory Management, Hardware State, Signaling, Access Control, Input and Output, Other); Process Supervisor Calls.

## **MS-WINDOWS**

Introduction advantages of Windows, Logging on to Windows, Start Button, Starting & Quitting a Program, Opening a Document, Getting Help, Finding Files or Folders, Changing System Settings, Starting a Program by using the Run Command, Shutting Down Windows, Seeing What's on Your Computer, Organising Files & Folders, Deleting & Creating File or Folder, Copying a File to Floppy Disk, Selecting Multiple Items, Saving Work, Setting up a Printer, Printing a Document, Installing Software & Hardware, Copying & Moving Files by using right mouse button, Putting a Shortcut on the Desktop, Network Neighbourhood & Receive Faxes, Phone Calls, Explore Sound & Animation, Play Games, Setup Screen Saver, Maintaining System, Backup Information on your Disk, Check & Repair Disk by using ScanDisk, Increase disk space by compressing data, Defragment disk, Create Pictures by using Configuring your Computer to a network, Sharing Folders or Printers, Using Resources Located on other Computer, Using Dial-Up Networking, Connecting to the Internet, Use of e-mail, Send Paint, Active Desktop, Internet Explorer, Task Scheduler, TV Compatibility.