

# Operating System

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## Unit 1:

**Operating System Concepts:** Evolution of operating system, Type of operating systems. Operating system structure Generations of operating system. Function and Services of Operating system, system calls, system Boot, System programs, protection and security of operating system.

## Unit 2:

**Disk Operating System:** Introducing to DOS, History of DOS, Booting process of DOS, File & directory structure and naming rules, DOS system files.

Internal commands of DOS –DIR, CLS, VER, VOL, DATE, TIME, COPY, TYPE, REN, DEL, CD, MD, RD, PATH etc.

External Commands – CHKDSK, XCOPY, PRINT, DISKCOPY, DISKCOMP, DOSKEY, TREE, MOVE, LABEL, APPEND, FORMAT, SORT, FDISK, BACKUP, EDIT, MODE, ATTRIB, HELP, SYS.

## Unit 3:

**WINDOWS:** Windows operating system: History, version and features of windows. Basics of windows, windows, concepts, windows structure, Desktop, Taskbar, Start, start menu, working with files and folders, create, copy, delete, renaming and moving files and folders working with recycle bin restoring deleted files, emptying the recycle bin, Searching files and folders, working with recycle restoring deleted files, emptying the recycle bin, searching files, control Panel, print manager and installing printers. My Computer Media Player. Sound Recorder, Volume Control. Advance features of windows-managing Hardware & Software Add or remove hardware devices to/from computer, Add/remove programs, Backup, clipboard viewer. Disk Defragmenter, Drive space, scandisk system information windows update.

## Unit 4:

**Linux:** Linux introduction, Advantages, Features of Linux, Basic Architecture of Unix/Linux System, Kernel, Shell, Linux File System, Linux standard directories. Partitioning the hard

drive for Linux, Installing the Linux system, system, startup and shut-down process, How Linux works, Linux GUI, Linux Desktop, Linux command cd, md, rm, mv, cp, ls, cat, find, grep, head, and tail