

Ans → Operating System :

1. An operating system is a software that manages the computer hardware.
2. An operating system acts as an interface between users and hardware.
3. The purpose of an operating system is to provide an environment in which a user can execute programs in an efficient manner.

Objectives of Operating System

- ① Convenience: An operating system makes a computer more

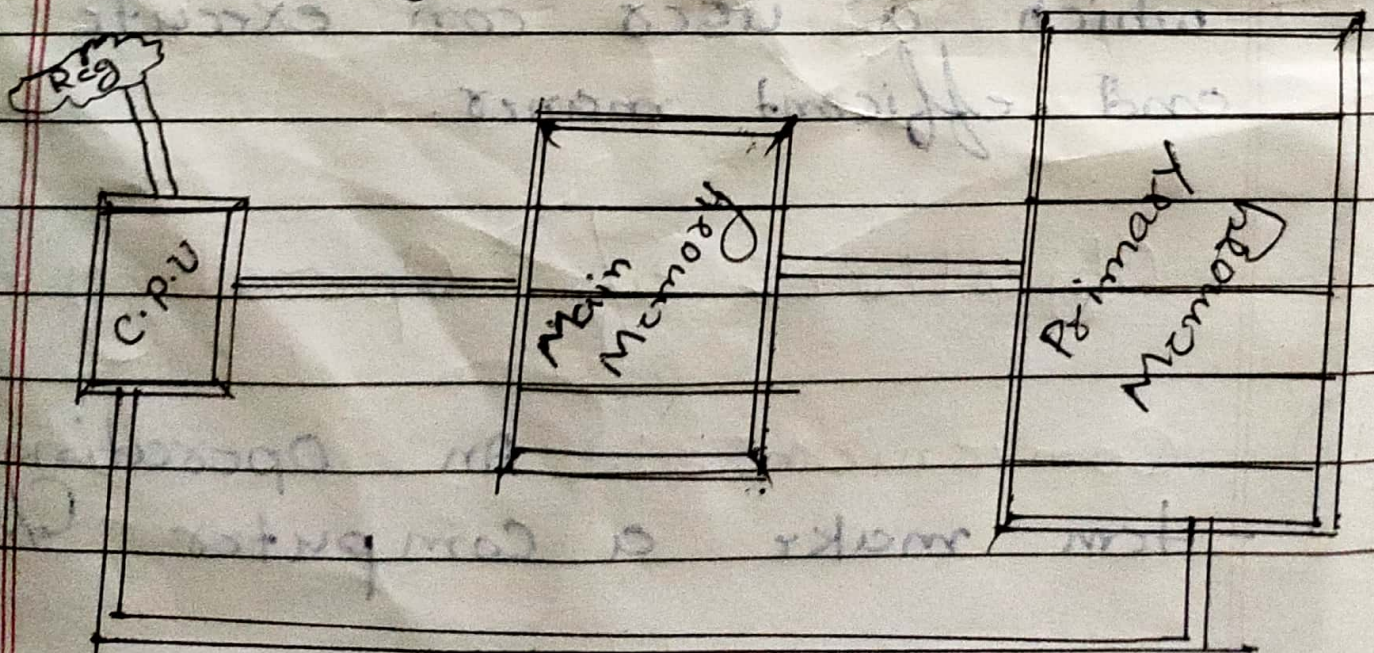
convenient to use.

2. Efficiency: - An Operating System allows the computer system resources to be used in an efficient manner.

3. Ability to evolve - An Operating System should be constructed in such a way as to permit the effective development, testing, and introduction of new system functions without interfering with service.

Function of an Operating System are -

Memory Management →



Diff Memory Management is a function of operating system which manages "Main Memory" and keep track process moving from "Secondary Memory" to "Main Memory" CPU and vice versa.

2. Processor Management:-

1- Management of processor (CPU) in multiprogramming environment is called processor management.

2. A program written in any language in execution state is called process.

3. A processes have many state.

4. Processor keep track and status of process is called traffic controller.

3. Device Management →

① An OS manages communication with device via driver.

② Keep track all devices with the help of program called I/O controller.

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③ Decide which process get device and when and how much

④ Allocates the device in the efficient way.

⑤ De allocates Devices.

④ File Management

① Managing Files and folders on the hard disk is called File management.

② Keep track all files and folders

③ Allocate the space to process on the hard disk and space to file and folders.

④ De allocate the space from file and folders.