

A2 * Following are the techniques for device management in operating system →

- The device management keeps record of all machines, and call the input/output device controller.
- The device management is tracking each device status like memory devices, & other output devices.
- The device management distributes & redistributes the system in a effective manner.
- The device management is responsible for the performance of the computer system.
i.e → each part in the system that is working properly or not.

* Deadlock prevention

- Mutual exclusion, mutual section from the resource point of view is the fact that a resource can never be used by more ~~that~~ than one process simultaneously, which is fair enough but that is the main reason behind the deadlock.
- Hold and wait
- No preemption
- Circular wait