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Ans-(3) Schedulers are system software that handle process scheduling in different ways.

⇒ They basically select the jobs to be submitted into system and then it decides, which process to run.

\* Types of Schedulers:-

(1) Short Term Scheduler

(2) Medium Term Scheduler

(3) Long Term Scheduler

\* Short term Scheduler:-

⇒ It is also called CPU scheduler

⇒ It is responsible for selecting one process from ready state for scheduling it on the running state.

⇒ It selects a process among the processes that are ready to execute and allocates CPU to one of them.

⇒ Short term scheduler is also known as Dispatcher.

### \* Medium Term Scheduler :-

- => It is responsible for suspending and resuming the process.
- => It is a part of swapping.
- => It is in charge of handling the swapped-out processes.
- => It reduces the degree of multiprogramming.

### \* Long-Term Scheduler :-

- => It is also called a job scheduler.
- => It determines which programs are admitted to system for processing.
- => It basically, select processes from Queue and loads them into memory for execution.
- => It brings the new process to 'Ready State'.
- => It controls the Degree of multiprogramming.