

Q2.

Date: _____

Reason of Process Suspension:-

Processes are suspended due to some reasons:

- 1) If one process is ready to execute, but there is no space in main memory then it is suspended and moves from ready queue to ready suspended queue.
- 2) When there is one blocked process in main memory & another process ready to execute, but waiting in secondary memory, then the blocked process is suspended and moves from blocked state (queue) to block suspended state while the process ready to execute brought into ready queue from ready read suspended queue.

Scheduler used for suspension:-

Medium level Scheduler is responsible for suspension and resumption (moving of programs between primary & secondary memory). MLS will decide that which process will be moved to hard disk.

Reason of LLS higher efficiency:-

As LLS is responsible to select the process that should be executed

next. It dispatches from ready to running state i.e. why LLS is invoked after every few minutes & its performance is directly related to OS performance. If LLS is slow, system will get slower.

ROLES OF SCHEDULERS:-

- Long Term Scheduler selects which process should be brought into the ready queue.
- Short Term Scheduler selects which process should be executed next, dispatch from ready to running state.
- Medium term scheduler swapped the process to hard disk.