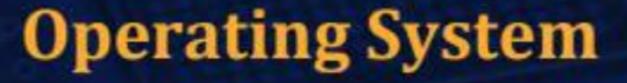
CS & IT ENGINEERING



Process Management

DPP 03 Discussion notes



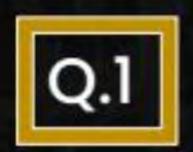
By- Anjnee Bhatnagar ma'am



TOPICS TO BE COVERED

01 Question

02 Discussion



The information about a process is maintained in _____.



- A. Process Context block which is implemented using an Array.
- B. Process Control block which is implemented using a Stack
- c. Process Context block which is implemented using a Linked list
- Process Control block which is implemented using a Doubly Linked list



Attributes of a

Process:

ProcesoID

Process state

Program counter

Priority of process

Process ID

Process State

Priority

Program Counter

List of open files

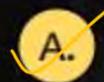
List of open devices

PCB (Process Control Block)



Consider a computer with a CPU and N processes, which of the following is correct regarding the processes:





There can be maximum of N processes in the block state.



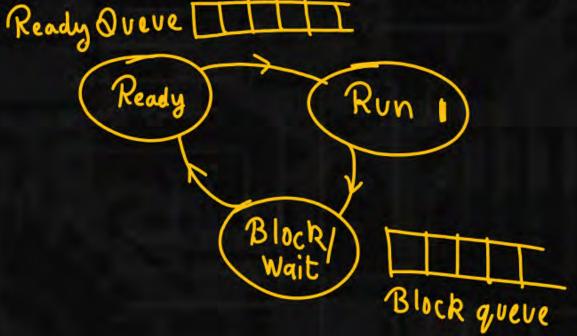
There can be maximum of N processes in the ready state.



There can be atmost 1 process in the running state.

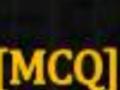


There can be atmost N processes in the running state.





If "Dispatch" operation is performed on the process, which transition is possible from the following?







Running to Ready X



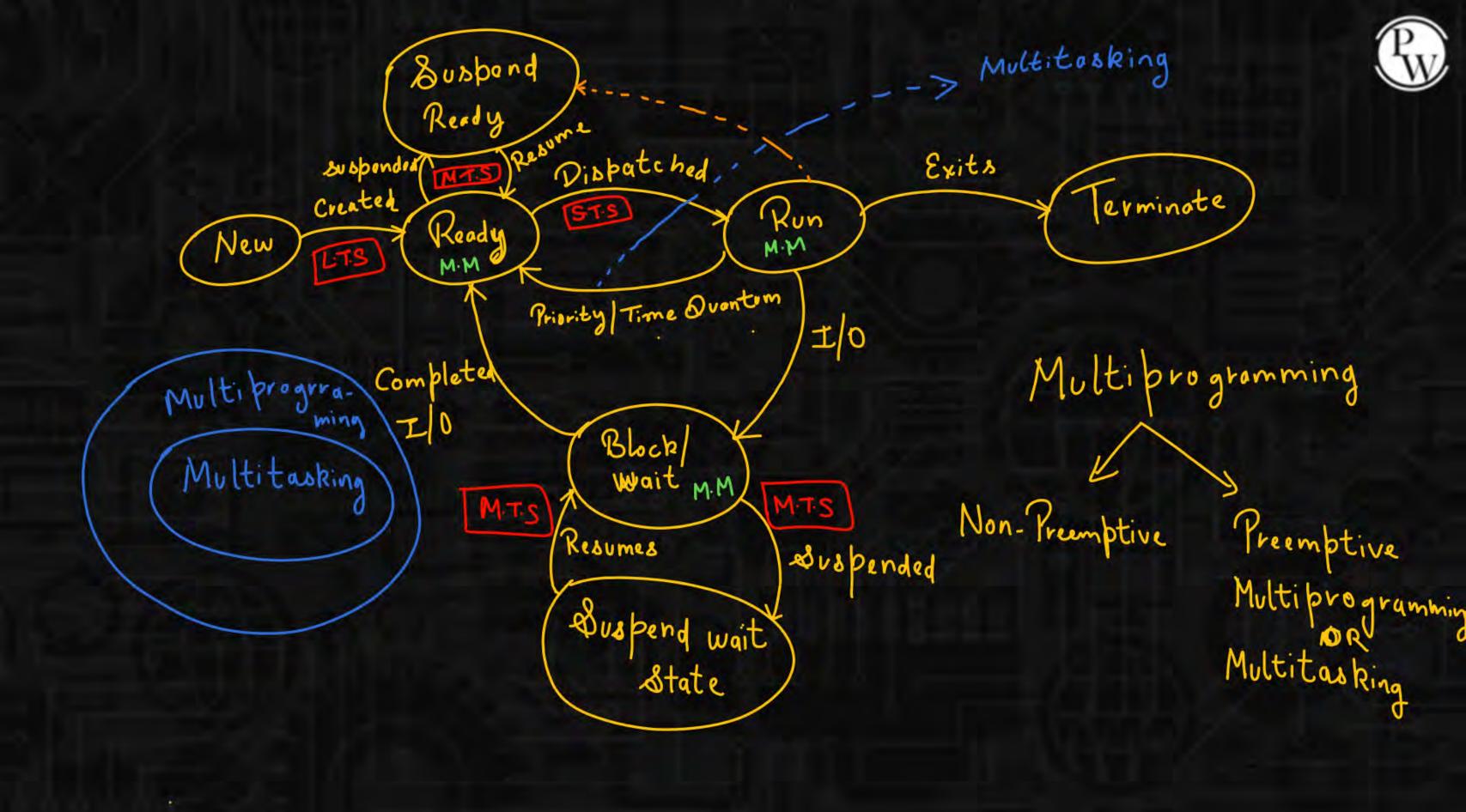
Ready to Running

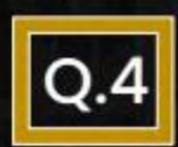


Blocked to Ready



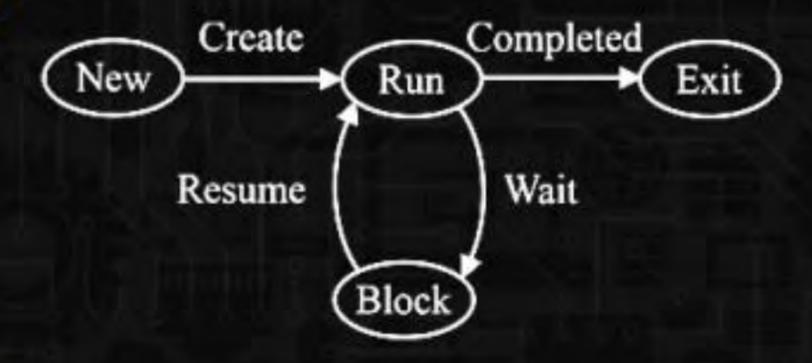
Running to Blocked





The given process state transition diagram represents:





- A. UNIX operating system.
- B. Multiprogramming operating system.
- C. Uni-programming operating system.
- D. None of these.



If the process is in Main memory, then, it can be in





Ready state



Running state



Block state



Suspend state

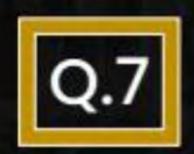


If a process is suspended from Running state, it is moved to _



[MCQ]

- A. Ready state in main memory.
- B. Block state in secondary memory.
- c. X Suspend ready state in main memory.
- D. Suspend ready state in secondary memory.



Which of the following scheduling queues are present on the disk? [MSQ]





Ready queue (Moin Memory)



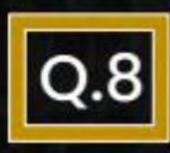
Block queue (Main Memory)



Suspend queue



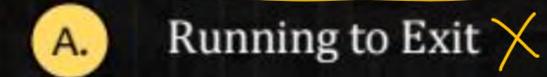
Input queue



Which of the following process state transition/ transitions is/are present in multi-programming OS but not in uniprogramming OS?

[MSQ]





- B. Ready to Running
- C. Block to Ready
- D. Running to Ready



