

Question

Bounded waiting implies that there exists a bound on the number of times a process is allowed to enter its critical section :

Answer

after a process has made a request to enter its critical section and before the request is granted

Question

Mutual exclusion implies that :

Answer

if a process is executing in its critical section, then no other process must be executing in their critical sections

Question

Which of the following conditions must be satisfied to solve the critical section problem?

Answer

All of the options

Question

The segment of code in which the process may change common variables, update tables, write into files is known as :

Answer

critical section

Question

There are 10 different processes running on a workstation. Idle processes are waiting for an input event in the input queue. Busy processes are scheduled with the Round-Robin time sharing method. Which out of the following quantum times is the best value for small response times, if the processes have a short runtime, e.g. less than 10ms?

Answer

$t_Q = 15\text{ms}$

Question

Scheduling is :

Answer

all of the options

Question

The strategy of making processes that are logically runnable to be temporarily suspended is called :

Answer

Preemptive scheduling

Question

With round robin scheduling algorithm in a time shared system,

Answer

using very large time slices converts it into First come First served scheduling algorithm

Question

Round robin scheduling falls under the category of :

Answer

Preemptive scheduling

Question

Response time is :

Answer

the total time taken from the submission time till the first response is produced