

Started on	Tuesday, 10 May 2022, 12:39 PM
State	Finished
Completed on	Tuesday, 10 May 2022, 12:46 PM
Time taken	6 mins 50 secs
Marks	5.00/5.00
Grade	100.00 out of 100.00

Question  
1

Complete  
Mark 1.00 out of 1.00

In a computer system that consists of n number of CPUs, the maximum processes that can exist in the Ready State would be:

Select one:

☐ a.  $2n$

☐ b.

$n^2$

☒ c.

Independent of n

☐ d. n

## Question 2

Complete

Mark 1.00 out of  
1.00

In Operating Systems, which of the following is/are CPU scheduling algorithms?

Select one:

☐ a.

Priority

☐ b.

Round Robin

☐ c.

Shortest Job First

☒ d. All the above

### Question 3

Complete

Mark 1.00 out of  
1.00

When a process is in a “Blocked” state waiting for some I/O service. When the service is completed, it goes to the \_\_\_\_\_

Select one:

☒ a.

Ready state

☐ b.

Running state

☐ c.

Suspended state

☐ d.

Terminated state

## Question 4

Complete

Mark 1.00 out of  
1.00

An OS implements a policy that needs a process to release all of the resources before it makes any requests for another resource. Out of all the statements below, select the one that is TRUE:

Select one:

☐ a.

Deadlock can occur, but starvation cannot occur

☐ b.

Neither deadlock nor starvation can occur

☒ c.

Deadlock cannot occur, but starvation can occur

☐ d.

Both deadlock and starvation can occur

## Question 5

Complete

Mark 1.00 out of  
1.00

In a timeshare operating system, when the time slot assigned to a process is completed, the process switches from the current state to?

Select one:

☐

**a.**

Suspended state

☐

**b.**

Blocked state

☐

**c.**

Terminated state

☒

**d.**

Ready state