

Question # 2 of 10 (Start time: 01:35:48 PM, 11 June 2025)

We can use semaphores to deal with the number of _____process critical section problem.

Select the correct option

<input checked="" type="radio"/>	n
<input type="radio"/>	n-1
<input type="radio"/>	1
<input type="radio"/>	2n

Question # 5 of 10 (Start time: 01:37:22 PM, 11 June 2025)

Variable names are ----- addresses

Select the correct option

<input type="radio"/>	Relocatable
<input type="radio"/>	Physical
<input type="radio"/>	Relative
<input checked="" type="radio"/>	Symbolic

Question # 7 of 10 (Start time: 01:37:56 PM, 11 June 2025)

Secondary Storage memory devices have _____ memory.

Select the correct option

<input type="radio"/>	Volatile
<input type="radio"/>	Temporary
<input checked="" type="radio"/>	Permanent and non volatile
<input type="radio"/>	None of the options is correct

Question # 8 of 10 (Start time: 02:00:18 PM, 11 June 2025)

The integer value of _____ semaphores can not be greater than 1.

Select the correct option

<input type="radio"/>	Bounded buffer
<input checked="" type="radio"/>	Binary
<input type="radio"/>	Mutex
<input type="radio"/>	Counting

Question # 7 of 10 (Start time: 02:00:03 PM, 11 June 2025)

Addresses generated relative to part of program, not to start of physical memory are

Select the correct option

<input type="radio"/>	Physical
<input type="radio"/>	Symbolic
<input checked="" type="radio"/>	Relocatable
<input type="radio"/>	Virtual

Question # 3 of 10 (Start time: 01:36:23 PM, 11 June 2025)

Preventing the condition of _____ to happen, deadlocks can be prevented to happen

Select the correct option

<input checked="" type="radio"/>	Circular wait
<input type="radio"/>	Critical section
<input type="radio"/>	Critical region
<input type="radio"/>	Monitors

Question # 5 of 10 (Start time: 01:59:22 PM, 11 June 2025)

Deadlock detection and recovery technique is exactly similar to deadlock avoidance technique to handle deadlock in the system.

Select the correct option

<input type="radio"/>	True
<input checked="" type="radio"/>	False

Question # 4 of 10 (Start time: 01:36:59 PM, 11 June 2025)

Deadlock _____ provides a set of methods for ensuring that at least one of the necessary conditions cannot hold.

Select the correct option

<input type="radio"/>	Handling
<input checked="" type="radio"/>	Prevention
<input type="radio"/>	Recovery
<input type="radio"/>	Avoidance

Question # 6 of 10 (Start time: 01:59:34 PM, 11 June 2025)

The condition where a set of blocked processes each holding a resource and waiting to acquire a resource held by another process in the set, is termed as _____

Select the correct option

<input checked="" type="radio"/>	Deadlock
<input type="radio"/>	Starvation

Question # 3 of 10 (Start time: 01:58:45 PM, 11 June 2025)

In order to remove the problem like busy waiting, some high level synchronization constructs are defined. What are they?

Select the correct option

<input type="radio"/>	Critical regions and Semaphores
<input checked="" type="radio"/>	Critical regions and Monitors

Question # 4 of 10 (Start time: 01:59:09 PM, 11 June 2025)

When the address used in a program gets converted to an actual physical RAM address, it is called -----

Select the correct option

<input checked="" type="radio"/>	Address Binding
<input type="radio"/>	Compiling
<input type="radio"/>	Loading
<input type="radio"/>	Execution

Question # 10 of 10 (Start time: 02:00:57 PM, 11 June 2025)

Deadlock _____ provides a set of methods for ensuring that at least one of the necessary conditions cannot hold.

Select the correct option

<input type="radio"/>	Avoidance
<input checked="" type="radio"/>	Prevention
<input type="radio"/>	Recovery
<input type="radio"/>	Handling

Question # 1 of 10 (Start time: 01:35:00 PM, 11 June 2025)

When the address used in a program gets converted to an actual physical RAM address, it is called -----

Select the correct option

<input type="radio"/>	Loading
<input type="radio"/>	Compiling
<input checked="" type="radio"/>	Address Binding
<input type="radio"/>	Execution

Question # 9 of 10 (Start time: 01:38:32 PM, 11 June 2025)

A state is _____ if the system can allocate resources for each process in some order and still avoid a deadlock.

Select the correct option

<input type="radio"/>	Starvation
<input type="radio"/>	None
<input checked="" type="radio"/>	Safe
<input type="radio"/>	Unsafe

Question # 10 of 10 (Start time: 01:38:48 PM, 11 June 2025)

While a process executes its critical section, other entering processes loop in a continual fashion in their entry sections, thus causing _____.

Select the correct option

<input type="radio"/>	Mutual exclusion
<input type="radio"/>	Race condition
<input checked="" type="radio"/>	Busy waiting
<input type="radio"/>	Bounded waiting

Question # 8 of 10 (Start time: 01:38:15 PM, 11 June 2025)

The run-time mapping from virtual to physical addresses is done by a piece of hardware in the CPU, called the -----

Select the correct option

<input type="radio"/>	CPU Scheduler
<input checked="" type="radio"/>	Memory management unit (MMU)
<input type="radio"/>	None of the given options
<input type="radio"/>	Registers

Question # 2 of 10 (Start time: 01:58:28 PM, 11 June 2025)

Using hardware solution to synchronization for complex problems, introduce a new synchronization tool know as _____.

Select the correct option

- | | |
|----------------------------------|------------|
| <input checked="" type="radio"/> | Semaphore |
| <input type="radio"/> | TestAndSet |
| <input type="radio"/> | Swap |
| <input type="radio"/> | Trap |

Question # 6 of 10 (Start time: 01:37:38 PM, 11 June 2025)

Removing the possibility of deadlock in dining philosopher problem does not ensure the _____ problem will not occur.

Select the correct option

- | | |
|----------------------------------|------------------|
| <input checked="" type="radio"/> | Starvation |
| <input type="radio"/> | Critical Section |
| <input type="radio"/> | Mutual Exclusion |
| <input type="radio"/> | Bounded Buffer |

Question # 9 of 10 (Start time: 02:00:35 PM, 11 June 2025)

In deadlock detection and recovery algorithm, a deadlock exists in the system if and only if the wait for graph contains a _____.

Select the correct option

- | | |
|----------------------------------|-------|
| <input checked="" type="radio"/> | Cycle |
| <input type="radio"/> | Node |
| <input type="radio"/> | Graph |
| <input type="radio"/> | Edge |

Question # 1 of 10 (Start time: 01:58:10 PM, 11 June 2025)

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

Select the correct option

<input type="radio"/>	program
<input checked="" type="radio"/>	critical section
<input type="radio"/>	synchronizing
<input type="radio"/>	non - critical section