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Paid LMS Handling Available

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1. The process of holding at least one resource and waiting to acquire additional resources that are currently being held by other processes is known as:

Options:

- a) Hold and wait
- b) Circular wait
- c) No preemption

Correct option: a) Hold and wait

2. The problem of Deadlocks can be solved by \_\_\_\_\_ method(s).

Options:

- a) Deadlock avoidance
- b) Deadlock prevention
- c) All of the given

Correct option: c) All of the given

3. Possible side effects of \_\_\_\_\_ deadlocks are low device utilization and reduced system throughput.

Options:

- a) Recovering
- b) Preventing
- c) Ignoring

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Correct option: c) Ignoring

4. The integer value of \_\_\_\_\_ semaphores cannot be greater than 1.

Options:

- a) Counting
- b) Binary
- c) Bounded buffer

Correct option: b) Binary

5. In Resource Allocation Graph, a \_\_\_\_\_  $P_i \dashrightarrow R_j$  indicates that process  $P_i$  may request resource  $R_j$  at some time in the future.

Options:

- a) Claim edge
- b) Allocation edge
- c) Assignment edge
- d) Request edge

Correct option: d) Request edge

6. A dashed line is used to represent a \_\_\_\_\_ in Resource Allocation Graph.

Options:

- a) Assignment edge
- b) Claim edge
- c) Allocation edge

Correct option: b) Claim edge

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7. Deadlock can be dealt with \_\_\_\_\_ ways.

Options:

- a) 6
- b) 4
- c) 2
- d) 3

Correct option: b) 4

8. The integer value of \_\_\_\_\_ semaphores can range over an unrestricted integer domain.

Options:

- a) Mutex
- b) Binary
- c) Counting
- d) Bounded buffer

Correct option: c) Counting

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

Options:

- a) Prevention
- b) Handling
- c) Avoidance
- d) Recovery

Correct option: a) Prevention

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