

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

We also provide Past papers for Mids. and Finals

Cross Check your answers before submitting directly from the file. We are not responsible for 100% correction as human error exists

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

Options:

- a) Critical regions
- b) Monitors

Correct options: a) Critical regions, b) Monitors

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

Options:

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

Correct option: b) Prevention

3. _____ is an integer variable accessible through wait and signal which are atomic operations.

Options:

- a) Semaphore
- b) Signal
- c) Busy waiting

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

d) Mutex

Correct option: a) Semaphore

4. Binary semaphore whose integer value cannot be can be _____ simpler to implement.

Options:

a) ≤ 1

b) < 1

c) ≥ 1

d) > 1

Correct option: a) ≤ 1

5. Semaphores are used to synchronize _____ processes.

Options:

a) Tough

b) Running

c) Parallel

d) Concurrent

Correct option: d) Concurrent

6. 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) Assignment edge

b) Claim edge

c) Allocation edge

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

Correct option: b) Claim edge

7. The problem of Deadlocks can be solved by _____ method(s).

Options:

- a) Allowing deadlock to occur, then detect and recover
- b) Deadlock prevention
- c) Deadlock avoidance
- d) All of the given

Correct option: d) All of the given

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

Options:

- a) True
- b) False

Correct option: b) False

9. Banker's algorithm is used for _____.

Options:

- a) Deadlock avoidance
- b) Deadlock prevention
- c) Deadlock removal

Correct option: a) Deadlock avoidance

10. Deadlock can be dealt with _____ ways.

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

Options:

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

Correct option: c) 4

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

File by MAM MEHWISH 03184148783
Paid LMS Handling Available