

Process Synchronization Solved MCQs Questions Answers

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1. Which of the following variable wait within the to enable a process

- A. a condition is defined by a condition variable
- B. objects Boolean objects can be used by condition variables
- C. semaphore must be used
- D. all of the mentioned
- E. both a and b
- F. None of these

View Answer A

2. In which the access takes place when different processes try to access the same data concurrently and the outcome of the execution depends on the specific order, is called

- A. dynamic condition
- B. race condition
- C. essential condition
- D. critical condition
- E. both a and b
- F. None of these

Answer B

3. Which of the following option is suitable when a process is executing in its critical section, then no other processes can be executing in their critical section

- A. mutual exclusion
- B. critical exclusion
- C. synchronous exclusion
- D. d asynchronous exclusion
- E. e. both a and b
- F. f. none of these

Answer A

5. Synchronization tool is?

- A. thread
- B. pipe
- C. semaphore
- D. socket
- E. both a and b
- F. None of these

Answer C

5. A semaphore is a shared integer variable that can not

- A. drop below zero
- B. be more than zero
- C. drop below one
- D. that cannot be more than one
- E. both a and b
- F. None of these

Answer A

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6. Which of the following for Mutual exclusion can be provided by the

- A. mutex locks
- B. [binary semaphores](#)
- C. both mutex locks and binary semaphores
- D. none of the mentioned
- E. both a and b
- F. None of these

View Answer C

7. When high priority task is indirectly preempted by medium priority the scenario is called

- A. priority inversion
- B. priority removal
- C. priority exchange
- D. priority modification
- E. both a and b
- F. None of these

Answer A

8. Process synchronization can be done on which of the following levels

- A. hardware
- B. software
- C. both hardware and software
- D. none of the mentioned
- E. both a and b
- F. None of these

View Answer C

9. A monitor is a module and monitor which of the following can encapsulates

- A. shared [data structures](#)
- B. procedures that operate on shared data structure
- C. synchronization between concurrent procedure invocation
- D. all of the mentioned
- E. both a and b
- F. none of these

Answer D

10. Which of the following process can be affected by other processes during execution in the system?

- A. init process
- B. child process
- C. parent process
- D. cooperating process
- E. both a and b
- F. None of these

Answer D

11. How can we avoid deadlock

- A. [resource allocation](#) must be done at once
- B. there must be a fixed number of resources to allocate
- C. all deadlock process must be aborted
- D. inversion technique can be used
- E. A and B both
- F. None of these

Answer B

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