



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. Which scheduling algorithm is designed to minimize waiting time for processes?

- A. First-Come, First-Served
- B. Shortest Job Next
- C. Round Robin
- D. Priority Scheduling

Solution: Shortest Job Next (SJN) minimizes waiting time by prioritizing processes with the shortest execution time.

Q2. Which synchronization mechanism uses a variable to control access to a shared resource?

- A. Semaphore
- B. Mutex
- C. Monitor
- D. Condition variable

Solution: A semaphore is a synchronization mechanism that uses a variable to control access to a shared resource.



