

Operating System Questions & Answers – CPU Scheduling

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This set of Operating System Multiple Choice Questions & Answers (MCQs) focuses on “CPU Scheduling”.

1. Which module gives control of the CPU to the process selected by the short-term scheduler?

- a) dispatcher
- b) interrupt
- c) scheduler
- d) none of the mentioned

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Answer: a

Explanation: None.

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2. The processes that are residing in main memory and are ready and waiting to execute are kept on a list called _____

- a) job queue
- b) ready queue
- c) execution queue
- d) process queue

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Answer: b

Explanation: None.

3. The interval from the time of submission of a process to the time of completion is termed as _____

- a) waiting time
- b) turnaround time
- c) response time
- d) throughput

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Answer: b

Explanation: None.

4. Which scheduling algorithm allocates the CPU first to the process that requests the CPU first?

- a) first-come, first-served scheduling
- b) shortest job scheduling
- c) priority scheduling
- d) none of the mentioned

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Answer: a

Explanation: None.

5. In priority scheduling algorithm _____

- a) CPU is allocated to the process with highest priority
- b) CPU is allocated to the process with lowest priority
- c) Equal priority processes can not be scheduled
- d) None of the mentioned

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6. In priority scheduling algorithm, when a process arrives at the ready queue, its priority is compared with the priority of _____

- a) all process
- b) currently running process
- c) parent process
- d) init process

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Answer: b

Explanation: None.

7. Which algorithm is defined in Time quantum?

- a) shortest job scheduling algorithm
- b) round robin scheduling algorithm
- c) priority scheduling algorithm
- d) multilevel queue scheduling algorithm

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Answer: b

Explanation: None.

8. Process are classified into different groups in _____

- a) shortest job scheduling algorithm
- b) round robin scheduling algorithm
- c) priority scheduling algorithm
- d) multilevel queue scheduling algorithm

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9. In multilevel feedback scheduling algorithm _____

- a) a process can move to a different classified ready queue
- b) classification of ready queue is permanent
- c) processes are not classified into groups
- d) none of the mentioned

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Answer: a

Explanation: None.

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10. Which one of the following can not be scheduled by the kernel?

- a) kernel level thread
- b) user level thread
- c) process
- d) none of the mentioned

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Answer: b

Explanation: User level threads are managed by thread library and the kernel is unaware of them.

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