

Started on	Monday, 4 August 2025, 4:04 PM
State	Finished
Completed on	Monday, 4 August 2025, 4:18 PM
Time taken	14 mins 26 secs
Marks	18.00/20.00
Grade	90.00 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

A system using non-preemptive scheduling sees a long process arrive before a short one. What happens?

- ☐ a. CPU switches to short process
- ☐ b. Short process gets executed first
- ☐ c. CPU goes idle
- ☒ d. Long process completes, delaying others

Question 2

Complete

Mark 1.00 out of 1.00

In Round Robin scheduling, increasing the time quantum tends to:

- ☒ a. Make it more like FCFS
- ☐ b. Increase starvation
- ☐ c. Reduce throughput
- ☐ d. Increase context switching

Question 3

Complete

Mark 1.00 out of 1.00

In which scheduling algorithm does a running process continue until it completes or blocks itself?

- ☐ a. SRTF
- ☐ b. Multilevel Queue
- ☐ c. Round Robin
- ☒ d. FCFS

Question 4

Complete

Mark 1.00 out of 1.00

Preemptive scheduling leads to:

- ☐ a. Higher turnaround time
- ☐ b. Longer execution
- ☐ c. Less overhead
- ☒ d. Lower response time

Question 5

Complete

Mark 1.00 out of 1.00

Priority scheduling becomes preemptive when:

- ☐ a. All processes have the same priority
- ☐ b. CPU burst times are equal
- ☒ c. A higher priority process arrives during execution
- ☐ d. Time quantum is used

Question 6

Complete

Mark 1.00 out of 1.00

SRTF (Shortest Remaining Time First) is a:

- ☐ a. Non-preemptive scheduling
- ☒ b. Preemptive version of SJF
- ☐ c. Priority based non-preemptive
- ☐ d. FIFO scheduling

Question 7

Complete

Mark 1.00 out of 1.00

What is the key difference between preemptive and non-preemptive scheduling?

- ☒ a. CPU can be taken away in preemptive
- ☐ b. Execution speed
- ☐ c. IO handling capability
- ☐ d. Use of priority

Question 8

Complete

Mark 1.00 out of 1.00

What is the main drawback of non-preemptive scheduling?

- ☐ a. Poor CPU utilization
- ☒ b. Inflexibility to handle urgent tasks
- ☐ c. Low throughput
- ☐ d. Starvation

Question 9

Complete

Mark 1.00 out of 1.00

What is the major disadvantage of preemptive scheduling?

- ☒ a. Overhead of context switching
- ☐ b. Unfair CPU allocation
- ☐ c. Low responsiveness
- ☐ d. Deadlock

Question 10

Complete

Mark 1.00 out of 1.00

Which algorithm can lead to the "convoy effect"?

- ☒ a. FCFS
- ☐ b. Multilevel Queue
- ☐ c. SRTF
- ☐ d. Round Robin

Question 11

Complete

Mark 1.00 out of 1.00

Which algorithm ensures all processes get an equal share of CPU time?

- ☐ a. FCFS
- ☒ b. Round Robin
- ☐ c. SJF
- ☐ d. Priority

Question 12

Complete

Mark 1.00 out of 1.00

Which of the following algorithms is based on the concept of time quantum?

- ☐ a. FCFS
- ☒ b. Round Robin
- ☐ c. Priority (Non-preemptive)
- ☐ d. SJF

Question 13

Complete

Mark 1.00 out of 1.00

Which of the following can lead to starvation in preemptive scheduling?

- ☒ a. SRTF
- ☐ b. Round Robin
- ☐ c. Multilevel Feedback Queue
- ☐ d. FCFS

Question 14

Complete

Mark 1.00 out of 1.00

Which of the following is a non-preemptive algorithm?

- ☐ a. SRTF
- ☒ b. FCFS
- ☐ c. Round Robin
- ☐ d. Priority (Preemptive)

Question 15

Complete

Mark 1.00 out of 1.00

Which of the following is a preemptive scheduling algorithm?

- ☐ a. SJF (Shortest Job First)
- ☐ b. Priority Scheduling (Non-preemptive)
- ☐ c. FCFS (First Come First Serve)
- ☒ d. Round Robin

Question 16

Complete

Mark 0.00 out of 1.00

Which of the following is best for real-time systems?

- ☐ a. Priority Scheduling
- ☐ b. SJF
- ☒ c. Round Robin
- ☐ d. FCFS

Question 17

Complete

Mark 1.00 out of 1.00

Which of the following is true for non-preemptive scheduling?

- ☐ a. Better suited for interactive systems
- ☒ b. Easy to implement but less responsive
- ☐ c. Always results in starvation
- ☐ d. Results in high context switching

Question 18

Complete

Mark 1.00 out of 1.00

Which of the following scheduling algorithms is best suited for a time-sharing system?

- ☐ a. Priority (Non-preemptive)
- ☐ b. FCFS
- ☒ c. Round Robin
- ☐ d. SJF

Question 19

Complete

Mark 0.00 out of 1.00

Which scheduling method is best for minimizing waiting time if all processes arrive at the same time?

- ☐ a. FCFS
- ☐ b. Priority (Preemptive)
- ☒ c. Round Robin
- ☐ d. SJF (Non-preemptive)

Question 20

Complete

Mark 1.00 out of 1.00

Which scheduling policy results in the lowest average turnaround time for static job set?

- ☐ a. FCFS
- ☒ b. SJF (Non-preemptive)
- ☐ c. Round Robin
- ☐ d. Priority (Preemptive)