Started on	Monday, 4 August 2025, 4:01 PM
State	Finished
Completed on	Monday, 4 August 2025, 4:12 PM
Time taken	10 mins 29 secs
Marks	14.00/20.00
Grade	**70.00** 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 goes idle
- b. Short process gets executed first
- c. Long process completes, delaying others
- d. CPU switches to short process

Question 2

Complete

Mark 1.00 out of 1.00

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

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

Question 3

Complete

Mark 0.00 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. FCFS
- d. Round Robin

Question 4

Complete

Mark 0.00 out of 1.00

Preemptive scheduling leads to:

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

Question 5

Complete

Mark 1.00 out of 1.00

Priority scheduling becomes preemptive when:

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

Question 6

Complete

Mark 1.00 out of 1.00

SRTF (Shortest Remaining Time First) is a:

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

Question 7

Complete

Mark 1.00 out of 1.00

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

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

Question 8

Complete

Mark 0.00 out of 1.00

What is the main drawback of non-preemptive scheduling?

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

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. Deadlock
- d. Low responsiveness

Question 10

Complete

Mark 1.00 out of 1.00

Which algorithm can lead to the "convoy effect"?

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

Question 11

Complete

Mark 1.00 out of 1.00

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

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

Question 12

Complete

Mark 1.00 out of 1.00

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

- a. Priority (Non-preemptive)
- b. FCFS
- c. Round Robin
- 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. Multilevel Feedback Queue
- c. Round Robin
- d. FCFS

Question 14

Complete

Mark 1.00 out of 1.00

Which of the following is a non-preemptive algorithm?

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

Question 15

Complete

Mark 1.00 out of 1.00

Which of the following is a preemptive scheduling algorithm?

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

Question 16

Complete

Mark 0.00 out of 1.00

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

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

Question 17

Complete

Mark 1.00 out of 1.00

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

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

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

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

Question 20

Complete

Mark 0.00 out of 1.00

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

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