

OS QUIZ MCQs

Q. In which of the following case preemptive cpu scheduling takes place?

- A. running => terminated
- B. running => waiting
- C. waiting => ready
- D. All of the above
- E. None of the above

Answer: C

Q. _____ copies an execution context of a process which is scheduled by the scheduler from its PCB and restores it onto the CPU registers.

- A. Loader
- B. Interrupt Handler
- C. Dispatcher
- D. Job Scheduler

Answer: C

Q. Which of the following is not a CPU scheduling criteria?

- A. Waiting Time
- B. Response Time
- C. CPU Burst Time
- D. Turn-Around-Time

Answer: C

Q. Which of the following statement is not true about scheduling criterias?

- A. CPU utilization must be as max as possible
- B. Waiting Time must be as max as possible
- C. Turn-Around-Time must be as min as possible
- D. Response Time must be as min as possible

Answer: B

Q. Which of the following CPU scheduling algorithm is non-preemptive?

- A. SJF
- B. FCFS
- C. Priority
- D. All of the above
- E. None of the above

Answer: B

Q. Convoy effect occurs in _____ scheduling algorithm.

- A. Priority
- B. Shortest Remaining Time First
- C. Shortest Next Time First
- D. None of the above

Answer: D

Q. Which of the following CPU scheduling algorithm ensures minimum waiting time?

- A. FCFS
- B. SJF
- C. Priority
- D. Round Robin

Answer: B

Q. Which of the following CPU scheduling algorithm lead to starvation?

- A. FCFS
- B. Shortest Job First
- C. Round Robin
- D. None of the above
- E. All of the above

Answer: B

Q. Shell script executes _____

- A. commands
- B. commands with its own programming language syntax
- C. other binaries
- D. all of the above
- E. none of the above

Answer: D

Q. ____ is a system program that does state-save of suspended process during context-switch.

- A. an interrupt handler
- B. dispatcher
- C. cpu scheduler
- D. all of the above

Answer: B

Q. What is an average turn-around time for following sample input after applying SRTF (Shortest-Remaining-Time-First) CPU scheduling algorithm? (An arrival time i.e. submission time of processes are different).

Processes - A.T - CPU Burst Time

Input: P1-0-8, P2-1-6, P3-2-7, P4-3-5, P5-4-3

- A. 14.8 ms
- B. 15 ms
- C. 14.6 ms
- D. 23 ms

Answer: C

Q. Which of the following option is used with grep command which searches for a string/word as a whole word

- A. -i
- B. -w
- C. -c
- D. -W

Answer: B

Q. In Linux, what is the command to change currently active shell?

- A. chgsh
- B. chsh
- C. swsh
- D. all of the above

Answer: B