

Multiple Choice Questions

3.1 Which of the following statements are true

- a. An exclusively single user system can not be a multiprogramming system.
- b. A Uni-programming system will have higher processor utilization because it does not suffer from switching overheads witnessed in multi-programming systems.
- c. A multiprogramming system enhances primary memory utilization.

3.2 A time sharing system is always a multiprogramming system.

- a. True
- b. False

3.3 A system is a multi-programming system because

- a. There are multiple devices connected to the system
- b. There are multiple persons who have an account on that system.
- c. There are multiple memory resident ready-to-run programs in the system

3.4 Which of the following defines response time?

- a. Time from the first character of input to the first character of output.
- b. Time from the first character of input to the last character of output.
- c. Time from the last character of input to the last character of output.
- d. Time from the last character of input to the first character of output.

3.5 A process which has just terminated but has yet to relinquish its resources is called

- a. A suspended process
- b. A zombie process
- c. A blocked process
- d. A terminated process

3.6 Suppose process P is currently suspended. Upon completion of IO, P joins the group of ready-to-run processes. When the current running process gets suspended, P would be the first process to move to running state.

- a. True
- b. False

3.7 For which of the following policy can we expect the average waiting time to be the shortest?

- a. First come first served
- b. Last come first served
- c. Longest job last
- d. Random selection of jobs.

3.8 In using a shortest job first policy starvation

- a. Always occurs
- b. Never occurs
- c. May occur some times

3.9 Indicate which of the following rules is often followed to predict the next burst time

- a. Equal weight for all the previous bursts
- b. Older the interval higher is the weight associated
- c. Most recent burst weighted highest.
- d. Allocate a fixed duration regardless of previous bursts.

3.10 Which of the following information is stored in process control block to support process context switching?

- a. The date and time of switching
- b. UID
- c. PID
- d. Terminal from where the process was initiated
- e. Estimate of the last burst used by the process

3.11 The ps command indicate from which terminal a process was initiated.

- a. True
- b. False