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