



Operating System Concepts Exam

Time: 100 min.

Select one answer ONLY

1. Which of the following is a single-user computer operating system?
 - a. UNIX
 - b. Linux
 - c. DOS
 - d. MS Windows

11. The operating system manage the processes using Process Control Blocks PCB
 - a. True
 - b. False

21. Which of the following is not a personal computer operating system?
 - a. Linux
 - b. MS Windows
 - c. MAC OS/X
 - d. Symbian

31. The CPU is connected with the RAM through I/O devices.
 - a. True
 - b. False

41. The flash memory sticks are considered one of the main computer storage.
 - a. True
 - b. False

51. The CPU is in monitor mode when the control is given to the user application.
 - a. True
 - b. False

61. Which of the following operating systems does not have a command line interpreter?
 - a. MS Windows
 - b. UNIX
 - c. Symbian
 - d. Linux

71. For a process to change state from Running to Ready state, an interrupt must happen.
 - a. True
 - b. False

81. Multi-programmed system is an example of non-preemptive scheduling.
 - a. True
 - b. False

91. Terminating a process or more is used to recover from a deadlock.
 - a. True
 - b. False

You are given the following information about some of processes which are ready to be running with a CPU in an Operating System:

Process	Arrival Time	Burst Time
P1	0.0	7
P2	5.0	10
P3	7.0	7
P4	8.0	3

96. In case of using FCFS scheduling algorithm, the average waiting time for the above situation is:

100. In case of using Round Robin scheduling algorithm (with quantum 5), the waiting time for processes P1, P2, P3, P4 are: