Intro to PC Operating Systems
CNET 173 Assessment

I. _____ is a major activity of an operating system with regard to process management?

Determine if each of the following makes the statement True of False. (Mark **A** for true and **B** for false.)

1. _____Scheduling processes and threads on the CPUs.

2. _____Deciding which processes and date to move into and out of memory.

3. _____Create and delete both user and system processes.

4. _____Provide mechanisms for process synchronization.

II. List the following in the proper order in which an operating system is loaded and start the execution of that system.

5. _____   a.   Starts execution of first process

6. _____   b.   Wait for an event.

7. _____   c.   Locate and load the operating system

III. Determine whether the following is True or False. Choose A for true and B for false.

8. _____ Main memory is very large and can store all needed programs and data.

9. _____ Main memory is a volatile storage device

IV. Match the definition of each listed below.

10. _____ Multi-processor   A. has multiple processors working close together in communication, however, they exist on separate chips.

11. _____ Multi-core processor   B. increases computing speed by putting multiple processors on a single chip.

V. Determine if the following are a part of Process Control Block (PCB).   Choose A for true and B for false.

12. _____ Process state

13. _____ Running

14. _____ Terminated

15. _____ CPU registers

16. _____ Memory-Management information

17. _____ Stack

18. _____ I/O Status

VI.   Match the word with the proper definition.

19. _____ Job Queue   A. is a set of computer instructions used to control and allocate the resources and hardware available to a computer system

20. _____ Operating System   B. set of all processes in the system
21. _____ Process   C. a program in execution
22. _____ Ready Queue   D. set of all processes residing in main memory, ready and waiting to execute

23. _____ Occurs when resources needed by one process are held by some other waiting process.

A. New Process
B. Booting
C. Deadlocks
D. None of the above.