



I. Fill in the blanks using the correct terms given below.

- a. An example where an interrupt could occur.....
- b. When considering the process states, a process in the blocked state could be transferred in to.....
- c. A compulsory information that should be in Process Control Block (PCB) .....
- d. .... Scheduler decides which process should to send to the processor out of the processes in ready state.
- e. The relationship is built thorough ..... when data is swapped between virtual memory & physical memory.  
(terminated state, assigning the processor for quick calculation, page table, suspended & blocked state, long term scheduler, short term scheduler, Process ID)

II. Both the name & the extension could be found in a computer file. What is the advantage of it?

III. Contiguous Allocation is more suitable to store data in a compact disk (CD). Give 2 reasons to prove the above statement.

IV. What is the service done by the device drivers in a computer operating system?

V. The virtual memory size of a file is 1110111100011110. Four bits are used to indicate the magnitude. How many bits are used for the displacement? If this is byte addressable, calculate the maximum memory capacity.

