From the text book, chapter 1:

6. Consider fairness and real time. Fairness requires that each process be allocated its resources in a fair way, with no process getting more than its fair share. On the other hand, real time requires that resources be allocated based on the times when different processes must complete their execution. A realtime process may get a disproportionate share of the resources.

7. Choices (a), (c), and (d) should be restricted to kernel mode.

15. The process table is needed to store the state of a process this is currently suspended, either ready or blocked. It is not needed in a single process system because the single process is never suspended.

25. As far as program logic is concerned it does not matter whether a call to a library procedure results in a system call. But if performance is an issue, if a task can be accomplished without a system call the program will run faster. Every system call involves overhead time in switching from the user context to the kernel context. Furthermore, on a multiuser system the operating system may schedule another process to run when a system call completes, further slowing the progress in real time of a calling process.