

Q-1: Name the four segments of a process?

Ans: Data Segment, Code Segment, Heap Segment, Stack Segment

Q-2: What are mode bits in CPU?

User = 1, Kernel = 1, used for protection.

Q-3: User process calls what, that in turn calls system call?

User process calls a function from glibc

Q-4: What does the fork() system call do?

It creates a new process

Q-5: What does write() system call do?

It writes data onto a device

Q-6: What does read() system call do?

It read data from a device

Q-7: What does wait() system call do?

Parents waits for a child to complete

Q-8: What does sleep() system call do?

Process put in wait queue for some time

Q-9: What does exit() system call do?

Process terminates its execution and release resources.

Q-10: How parameters to system call are passed

Through registers, through stack and through table or structure