2) Steps involved in context switching:

1. Save the content of process which is being run at the moment

2) update process central block and other fields

3) Have process central block of current process into queue Such as I/O queue, ready queue.

4) Select a new process to run.

5) update process central block of selected process

6) update Memory Management data str

7) Get back to the context of previous process that was running when its loaded back into the processor.

Steps involved in Mode switching:

1. System call initiates mode switch from userx to kernal mode. mode.

→ An interrupt called software interrupt, calls the kernel function.

→ This transfers the control to a location in the interrupt vector table.

→ Os executes kernal code, mode switch occurs again when control returns to user process.