

Short Notes Chapter 11 (Lecture 30-32):

To get control from the program without the program knowing about it, we can use the **IRQ 0** highest priority interrupt that is periodically coming to the processor.

PCB:

The space where all registers of a task are stored is called the process control block or **PCB**.

INT 08 that is saving and restoring the registers is called the scheduler and the whole event is called a context switch.

Threads can have function calls, parameters and local variables etc.

How to improve the slowdown in the speed of multitasking:

As keys are pressed and new threads are registered, there is an obvious slowdown in the speed of multitasking. To improve that, we can change the timer interrupt frequency. The following can be used to set to an approximately 1ms interval:

```
mov ax, 1100  
out 0x40, al  
mov al, ah  
out 0x40, al
```

This makes the threads look faster.