1.What does a modern operating system do?

答：

Provides abstractions

Provides standard interface

Mediates(调解) resources usage

Consumes resources

2.What is a context switch? How is context switch implemented in OS?

答：

（1）找不到PPT上的官方答案，这个是百度答案：The stopping of one process and starting (or restarting) of another process is called a context switch

（2）save and restore hardware state on a context switch. Save the state in Process Control Block

3.

4.What are the four necessary conditions for dead lock?

Mutual Exclusion(互斥)

Hold and wait

No preemption(无抢占)

Circular wait(循环等待)

5.What are the three running states of a process? When a running state does an I/O operation, what is the new state of the process?

答：

(1) Running, ready, waiting

(2)Waiting

6.

Both preemptive: AWT = 29

Non preemptive: AWT = 32