- (10)Consider the operation system, implementing time sharing scheduling, and running on the segmentation hardware with demand paging. When a process P1 used up its time quantum, the operation system will change the CPU from P1 to a new process P2. What happen if P2 tries to access a page that was not brought in memory? How does the operation system solve the problem?
- 2. (10)What is the concept of "Copy-on-Write"? Why we need it?
- 3. (10)What are dynamic loading and dynamic linking? How can the operating system provide these?
- 4. (10) What is the master boot record? How can a bootstrap program work with the master boot record?
- 5. (10) What are the difference between the synchronous I/O and the asynchronous I/O.
- 6. (10)Please describe the procedure of an interrupt-driven I/O cycle.
- 7. (10)What are the differences between the SCAN disk scheduling, C- SCAN disk scheduling, and LOOK disk scheduling?
- 8. (10) What are the difference between the conventional operating system, the network operating system, and the distributed operating system?
- 9. (10) How can we provide the Free-Space Management in the disk?
- 10. (10) What is spinlock? How can it work?