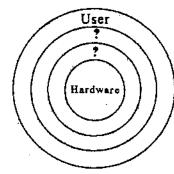
(10%)

頁

頁

- Please give a short description on the 2's complement (using 8 bits examples) and demonstrate the following computations with it. (10%)
  (a). -7-25. (b). -5+5.
- 2. Please fill out the missing terms (?) and explain the whole diagram.



- 3. Describe the difference between WAN and LAN. (10%)
- 4. What are the difference among simplex, half-duplex, and full-duplex data transmission? (10%)
- 5. How does Carrier Sense Multiple Access with Collision Detection, or CSMA/CD of the Ethernet operate? (15%)
- 6. What special features should be included in a NFS (Network File System) in addition to a standard file system? (15%)
- 7. What is a **RAID**? (10%)
- 8. Definitions: (20 %, 5% each)
  - a. SSL.
  - b. TCP/IP.c. ISP.
  - d. SNMP