

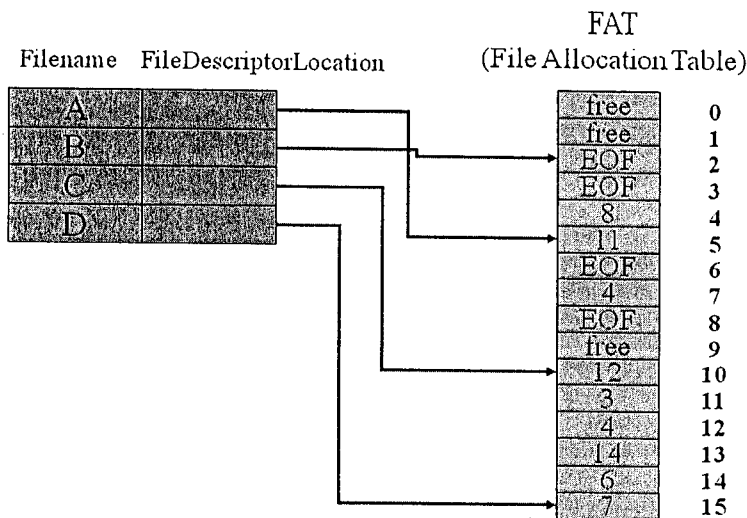
國立中央大學98學年度碩士班考試入學試題卷

所別：網路學習科技研究所碩士班 科目：作業系統 共 2 頁 第 1 頁

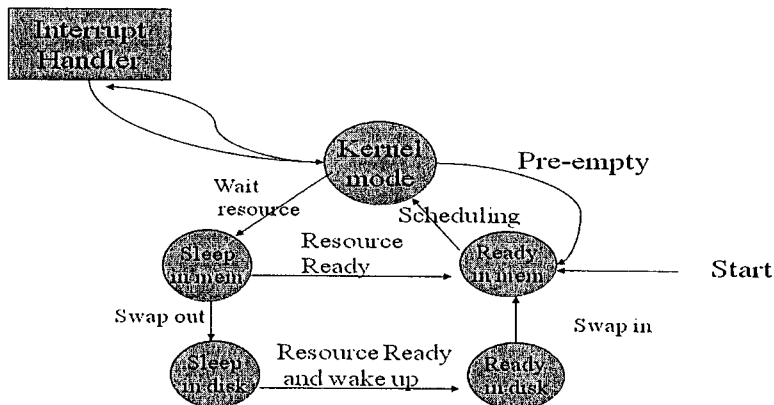
*請在試卷答案卷(卡)內作答

1. (20%) What are principal differences between the two prevailing wireless network protocols, wireless 802.11 and Bluetooth? Please list their differences on their architecture, purposes and limitations, respectively

2. (20%) Describe the purpose of the following mechanism. Furthermore, calculate how many blocks each files(A,B,C,D) have and show any problems you find in this File allocation



3. (20%) The following are the diagram designed for process status management. Please describe your opinions about the purpose, characteristics, and weakness of this diagram



參考用

4. (20%) In the internet, there are two types of addresses, one is IP address and the

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other is MAC Address. Which protocol is employed to translate the two types of addresses (10%) and How to do the translation to find the destination and conduct data transmission afterwards, please describe the procedures (10%)?

5 (20%) Please describe the following terminologies in details:

- 甲、Garbage Collection (for memory management) (5%)
- 乙、Paging on demand (5%)
- 丙、Segmentation and Paging (5%)
- 丁、Router (5%)

參考用

注意：背面有試題