

東海大學 104 學年度碩士班招生考試試題

考試科目：作業系統

應考系組：資工系

科目代碼：35011

考試日期：104 年 03 月 08 日 第 3 節 使用計算機：可

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1. Please describe the shortest-Job first algorithm for process scheduling, and describe the reasons why it is optimal. 20%
2. Please define the critical section problem of an operating system. 20%
3. To recover deadlocked processes, there are two options to break the corresponding circular wait. One is process termination, and the other is resource preemption. Please describe the two options. 20%
4. Please describe the procedure that an operating process performs when a page fault occurs. 20%
5. Please define i-node used in UNIX operating system. 20%