國立台灣大學九十二學年度碩士班招生考試試題

科目:計算機概論(B)

共 / 頁之第 年 1. Please explain the followings (50 %) (a) DNS server (f)Deadlock

is there any performance overheard while

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(b)Client/Server Computing (g)Stack (h)URL (c)Cache Memory (i)Interrupt (d)HTTP

2. How does time-sharing work?

(i)Boot strapping (e)Seek time

- process switch occurs? (10 %). 3. The CPU uses repeating machine cycles to execute instructions in the
- program, one by one, from beginning to end. The machine cycles at least consists of three steps. Please explain which three and their functionalities. (15%).
- 4. Write an algorithm that reverses the elements of an array so that the last element becomes the first, the second to the last becomes the second, and so forth. (10%)
- 5. Draw diagrams to explain how to delete and insert data nodes in a linked list. (15%).