編號:

322

國立成功大學九十七學年度碩士班招生考試試題

共 頁 第/頁

系所:交通管理科學系丙組

科目:計算機概論

本試題是否可以使用計算機:□可使用

□可使用, **□**不可使用

(請命題老師勾選)

考試日期:0302,節次:2

- 1. Describe the functions of the TCP in data networking. (10%)
- 2. What is meant when a computer is described as a "64-bit, 500-MIPS processor with 1 GB of RAM"? (10%)
- 3. What is network address translation (NAT)? How can NAT help in address shortage in IPv4? (15%)
- 4. What is CISC? What is RISC? Please compare the two different designs between CISC and RISC. (15%)
- 5. Describe major differences between Windows OS and Unix OS. (15%)
- 6. Given the following declarations and definitions (15%)

int size=1000;

int table1[size]

int table2[size][size]

int table3[size][size][size];

How many memory do we need to store the three arrays?

7. Write a C/C++ code segment that can compute the following expression: (20%) 1x2 + 2x3 + 3x4 + 4x5 + ... + Nx(N+1)