

系所別：資訊管理學系碩士班

科目編號：A1-18-01

科目：計算機概論 【本科目不得使用計算機】

試題紙第 / 頁共 / 頁

Each question 20%

1.
 - a) Explain the function of TCP and IP
 - b) Why are network and subnet mask needed?
 - c) If this is a C class networks, how many ones are there in the network part
2.
 - a). Explain the propose of operating system in detail
 - b). Explain the function of multitasking and multiprocessor
3. Describe in detail the major components in computer system. Giving some examples for each component if possible
4. Giving a sorting algorithm each which time complexion is $O(n\log^n)$ and $O(n^2)$. Explain the method of binary search and its efficiency.
5.
 - a).BCNF (normalization)
 - b) data integrity
 - c). data independent
 - d). E-R model