

國立臺北科技大學九十八學年度碩士班招生考試

系所組別：4230 商業自動化與管理研究所丙組

第一節 計算機概論 試題

第一頁 共一頁

注意事項：

1. 本試題共八題，配分共 100 分。
2. 請標明大題、子題編號作答，不必抄題。
3. 全部答案均須在答案卷之答案欄內作答，否則不予計分。

1. Describe the two basic types of software. (5 points)
2. Explain the differences between virtual memory and cache memory. (5 points)
3. List the basic hardware components of a computer system and briefly describe each. (10 points)
4. Describe the difference between compilers, and assemblers, and interpreters. (10 points)
5. List and describe three common configurations for networks. (10 points)
6. What are the major differences between relational, hierarchical, network, and object-oriented databases? What are the advantages and disadvantages of each? (20 points)
7. Discuss techniques that an organization can use to protect its hardware and software from computer crimes and natural disasters. (20 points)
8. Describe the steps in the software development process. (20 points)

763-1