

# 東吳大學 109 學年度碩士班研究生招生考試試題

第1頁，共1頁

系級	資訊管理學系碩士班	考試時間	100 分鐘
科目	計算機概論	本科總分	100 分

※一律作答於答案卷上(題上作答不予計分)；並務必標明題號，依序作答。

1. Define and differentiate **CPU** and **GPU**. Also, list the four basic operations that comprise a *machine cycle* in the CPU. (20 分)
  
2. What are **ISP** and **DNS** on the Internet? Also, list two main Internet access technologies to an ISP, and which one is better? Explain. (20 分)
  
3. Describe the data model structures in a relational data base (RDB). Also, list the three main components of RDBMS. (15 分)
  
4. What is VM in a Cloud Computing? Also, describe the three main cloud service models, and which one can get highest ROI? (15 分)
  
5. Propose the *five* guidelines to protect sensitive and personal data and to fight mobile cybercrime on your own smartphone or mobile device. (15 分)
  
6. Write the **full name** and indicate **which layer** for each following TCP/IP protocol: (15 分)
  - (1) SNMP
  - (2) OSPF
  - (3) XML
  - (4) UDP
  - (5) IGMP