

國立中央大學99學年度碩士班考試入學試題卷

所別：網路學習科技研究所碩士班 不分組（一般生） 科目：資料庫系統 共 頁 第 頁

本科考試禁用計算器

*請在試卷答案卷（卡）內作答

1. Describe the following terms: (30%)
 - (1) SQL
 - (2) RAID
 - (3) Two-Phase Locking Protocol
 - (4) Integrity
 - (5) Data Mining
 - (6) Data Warehousing

2. What is Object-Oriented Data Model? (6%) What is Object-Relational Data Models? (6%) Compare the differences between these two data models. (8%)

3. What is B⁺-Tree? (5%) What are the advantages and disadvantages of B⁺-Tree? (5%) Draw an example of B⁺-Tree. (5%)

4. What is B-Tree? (5%) What are the advantages and disadvantages of B-Tree? (5%) Compare the differences between B⁺-Tree and B-Tree. (5%)

5. What is Shadow Paging? (6%) What are the advantages and disadvantages of Shadow Paging? (6%) Draw an example of Shadow Paging. (8%)

參考用