

淡江大學 100 學年度第 1 學期 期中 考試命題紙

考試科目：資料倉儲

開課班別：資管 系 四年 P 班 命題教授：戴敏育

考試日期：100 年 11 月 1 日 (星期二) 第 4 節	※請務必註記，准帶項目打「V」，否則打「X」。					1. 需加發計算紙(B5 白紙)或答案紙請在試題內封袋備註。 2. 本命題紙為 A4 大小，印刷格式統一由閱場判斷是否放大或合併印刷，如有特殊需求，請註記：
本試題共 1 頁，附件共 0 頁，印刷份數：20 份	計算機	課本	筆記	字典 電子辭典	其他	放大成 B4
備註：可另攜 A4 筆記 1 張(親筆手寫) (禁止攜帶影印及列印輸出版本筆記) 考試時間：100/11/01 14:20-15:50 教室：L310	X	X	V	X	X	

1. What is Data Warehouse? (10%)
2. How is a data warehouse different from a database? How are they similar? (10%)
3. What are the relationships between Data Warehouse, Data Mining, and Business Intelligence? (10%)
4. What is the high-level architecture of Business Intelligence (BI)? (10%)
5. What is the knowledge discovery (KDD) process? (10%)
6. What is the conceptual framework for data warehousing? (10%)
7. What is the architecture of a typical data mining system? (10%)
8. What are OLTP and OLAP? What are the differences between OLTP and OLAP? (10%)
9. Why is data preprocessing important? What are the major tasks in data preprocessing? (10%)
10. What is the conceptual modeling of data warehouses? Please illustrate the major schemas used in data warehouse. (10%)
11. What are the typical OLAP operations in data warehouse? (10%)

第 1 頁

注意：1、考試求公平及公正，請同學務必自律，維護學校與學生之榮譽。
2、考試時不得有交談、攜卷出場、窺視、傳遞、代考、夾帶等違規行為，違者將受嚴重議處。