

靜宜大學 100 學年度碩士班暨碩士在職專班招生考試試題

學系：企業管理學系

科目：計算機概論

1 就以下 ipad 2 的部分規格，

GENERAL	2G Network	N/A
	Announced	2011, March
	Status	Coming soon. Exp. release 2010, March
SIZE	Dimensions	241.2 x 185.7 x 8.8 mm
	Weight	601 g
DISPLAY	Type	LED-backlit IPS TFT, capacitive touchscreen, 16M colors
	Size	768 x 1024 pixels, 9.7 inches
DATA	GPRS	No
	EDGE	No
	3G	No
	WLAN	Wi-Fi 802.11 a/b/g/n
	Bluetooth	Yes, v2.1 with A2DP, EDR
FEATURES	Infrared port	No
	USB	Yes, v2.0
	OS	iOS 4
	CPU	Dual-core ARM Cortex-A9 processor, Apple A5 chipset
	Messaging	Email, Push Email, IM
	Browser	HTML (Safari)
	Radio	No
	Games	Downloadable, incl. motion-based
	Colors	Silver
	GPS	No
	Java	No

請寫出以下名詞的英文全名，並簡單說明其功能：

(a) **WLAN** ; (b) **USB** ; (c) **OS** ; (d) **CPU** ; (e) **GPS** 。

(25%)

2 給定實數陣列， $B[i], i = 0, \dots, n, n \geq 0$ ，請用一個高階程式語言（BASIC、C、FORTRAN 或 PERL）寫出找出該陣列極大值的副程式。（10%）

3 請以建立『企管系友聯繫資料庫』為例，簡單說明資料庫的設計流程。（15%）

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4 Please explain what the following program stand for and draw it. (25%)

```
struct employee
{
    int id;
    char name[10];
    char gender;
    int num_depend;
    float rate, wages;
};

struct address
{
    char street[20];
    char city[10];
    char zip[5];
};

struct date
{
    int month;
    int day;
    int year;
};

struct new_employee
{
    employee pay_data;
    address home;
    date start_date, birth_date;
};
```

5 A student file is as follows:

Student File

ID	Name	College	DEPT	Year	Score
366008762	John Middle	Eng	IE	Senior	67
367987652	Leon Johnson	Eng	IE	Senior	93
477654332	Paul Khor	Eng	EE	Senior	90
987361457	Sarah Franco	Bus	IE	Junior	87
111565432	Oz Effy	Eng	IE	Senior	79
777654444	Eric Schwarz	Bus	MKT	Junior	70
481231187	Heather Cox	Bus	MGMT	Senior	65
548788996	Julia Williams	Eng	EE	Junior	76
520457845	Justin Anderson	Eng	IE	Senior	87
687843221	Megan Taylor	Eng	ChE	Junior	79
250417532	Michelle Welle	Bus	MKT	Senior	81
128653014	Leslie Aniston	Eng	IE	Junior	89
630117841	Lori Potter	Eng	IE	Senior	85

Write a SQL program to query students who are senior, from IE department and get scores 80 or above. Please also show the querying results. (25%)