第壹部份(50%)

1. For the C programming language, please answer following question:
   a). What is the value of y after the following sequence?(5%)
   ```
   X = 3;
   Y= ( X >3);
   ```

   b). What is wrong with the following sequence? (5%)
   ```
   int X[20];
   X[20] = 5;
   ```

   c). What is the final value of X in the sequence below? (5%)
   ```
   X = Y = Z = 2;
   Z = Y-- * X;
   X = (X != Y) ? Z : Y ;
   ```

   d). What is the final value of Y in the sequence below? (5%)
   ```
   float Y;
   int X;
   Y = 3.54;
   X=Y;
   Y=X;
   ```

   e). What is the resulting value printed out after this sequence of code? (5%)
   ```
   int arr[20];
   int i;
   int *px, *py;
   for(i=0;i<20;i++) arr[i]=i;
   px=&arr[5];
   py=&(*px);
   printf("Value in py = %d.\n", *py);
   ```

2. Explain the following terms: (15%)
   a). Database
   b). Electronic Commerce
   c). Intranet
   d). Proxy
   e). Asymmetric Digital Subscriber Line

3. Please Draw the Flow chart to compute the following S value: (10%)
   $$S = 1+3+5+7+9+11+ \ldots + 99$$

第貳部份 (50%.)

4. 請回答 問題 一、二、三 (15%)

```cpp
#include <iostream.h>
#include <iomanip.h>
const int MAX_STU = 4;
struct student_t
{        char name[9];
         int c1, c2;
         double average;   };
void main()
{
     student_t score[MAX_STU] = {{"Paul", 95, 91},
        {"Clark", 89, 93}, {"Caroline", 92, 79}, {"Justine", 99, 96}};
     int i;
// 一、 請解釋下列兩行之意義 (5%)
     cout.setf(ios::fixed, ios::floatfield);
     cout.setf(ios::left, ios::adjustfield);
// 二、請寫出程式來計算每位學生兩科之平均(5%)




// 三、 請寫出程式來列印每位學生之名字、兩科之成績與平均 (5%)
     cout << "Name         C1      C2      Average\n";
     cout << "---------------------------------\n";




}
```

5. 請詳細解釋下列有關 eCommerce 之相關名辭：(15%)

　　　一、 ASP
　　　二、 B2B
　　　三、 B2C
　　　四、 WAP

6. 何謂 Linux？其影響為何(請詳述)? (10%)

7. 若有機會自己架設一個網站，請您提出一異於他人之構想?(10%)