

銘傳大學 95 學年度轉學生招生考試

資訊管理學系、資訊傳播工程學系、  
資訊工程學系、資訊管理學系國際班

7 月 26 日 第四節

(第 1 頁共 2 頁)

程式設計試題

(限用答案本作答)

1. (10%) What is the output by the following program segment?

```
int x;  
for( x = 1 ; x < 10 ; x += 2 )  
{  
    cout << "The value of x is " << x << endl;  
}  
cout << "The final value of x is " << x << endl;
```

2. (10%) What is the output by the following switch statement?

```
int x = 1;  
switch (x)  
{  
    default:  
        cout << "none ";  
    case 1:  
        cout << "one ";  
    case 2:  
        cout << "two ";  
    case 3:  
        cout << "three ";  
    case 4:  
        cout << "four ";  
}
```

3. (10%) What is the output of the statement

```
cout << mystery (15, 5) << endl;
```

assuming the following function definition of mystery?

```
int mystery(int x, int y)  
{  
    if ( y == 0 )  
        return x;  
    else if ( y < 0 )  
        return mystery( x - 1 , y + 1 );  
    else  
        return mystery( x + 1 , y - 1 );  
}
```

4. (10%) What is the output by the following code segment?

```
int array[3][4]= { { 1 , 2 , 3 , 4 } , { 2 , 3 , 4 } , { 3 , 4 } };  
for( int i = 0 ; i < 3 ; ++i )  
{  
    for( int j = 0 ; j < 4 ; ++j )  
    {  
        cout << array[i][j] << " ";  
    }  
    cout << endl;  
}
```

5. (10%) What is the output of the following program?

```
#include <iostream.h>  
class T  
{  
public:
```

本試題兩面印刷



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(第 2 頁共 2 頁)

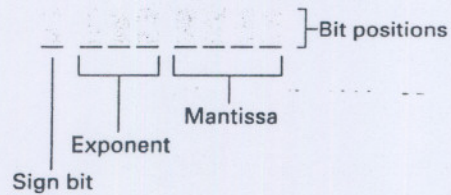
程式設計試題

(限用答案本作答)

```
~T() { cout << "obj" << id << " destructor called." << endl;
private:
  int id;
};
void main()
{
  T obj1(1), obj2(2);
}
```

6. (10%) What problem would be encountered if the following program segment was executed on a machine in which values are represented in the eight-bit float-point format below?

```
X ← 0.01;
While ( X not equal to 1.00) do
{
  print the value of X;
  X ← X + 0.01;
}
```



7. (10%) Which of the following does not perform the following task: print correct if answer is equal to 7 and incorrect if answer is not equal to 7?
- (a) if ( answer == 7 )  
    cout << "correct";  
    else  
    cout << "incorrect";
  - (b) cout << answer == 7 ? "correct" : "incorrect";
  - (c) cout << ( answer == 7 ? "correct" : "incorrect" );
  - (d) answer == 7 ? cout << "correct" : cout << "incorrect";
8. (10%) The expression if ( num != 65 ) cannot be replaced by:
- (a) if ( num > 65 || num < 65 ).
  - (b) if ( !( num == 65 ) ).
  - (c) if ( num - 65 ).
  - (d) if ( !( num - 65 ) ).
9. (10%) Three of the following expressions have the same value. Which of the following expressions has a value different from the others'?
- (a) \*&Ptr.
  - (b) &\*Ptr.
  - (c) \*Ptr.
  - (d) Ptr.
10. (10%) Given that k is an integer array starting at location 2000, kPtr is a pointer to k and each integer is stored in 4 bytes of memory, what location does kPtr + 3 point to?
- (a) 2003.
  - (b) 2004.
  - (c) 2012.
  - (d) 6000.