

Section I: True / False

1. '\011' the character with value 11 in octal, which is decimal 7.
2. A function cannot be defined inside another function.
3. A function may have any number of return statements each returning different values.

Section II: What will be the outputs?

NO.1

```
#include<stdio.h>
int main()
{
    int i=0;
    for(; i<=5; i++);
    printf("%d", i);
    return 0;
}
```

output:

NO.2

```
#include<stdio.h>
int main()
{
    char str[]="C-program";
    int a = 5;
    printf(a>10?"Ps\n":"%s\n", str);
    return 0;
}
```

output:

Section III: Fill in the blanks

```
/* add.c */
```

```
/*run the program in command line: add.exe 111 222<enter> */
```

```
#include <stdio.h>
#include <stdlib.h>
```

```
int main(int argc, char * argv[] )
{
    int a, b, c;
    a = atoi(argv[ _____]);
    b = atoi(argv[ _____]);
    c = a+b;
    printf("\n%d + %d = %d\n", a, b, c);
    return 0;
}
```

Section IV: Multiple-choices

1. To treat the constant 1.618 as a float, what will you do?
A) float(1.618f)
B) 1.618f
C) f(1.618)
D) (f)(1.618)
2. What is the number of arguments in the following function call?
godu((a1,a2),(a3,a4,a5),(a6,a7));
A) 1
B) 3
C) 5
D) 7

Section V: Programming

Write a program to calculate $1/1! + 1/2! + 1/3! + \dots + 1/n!$.