```
What will be the output?
#include <stdio.h>
int main()
{
          int a = 70;
        }
        {
              printf("%d", a);
        }
        return 0;
}

Answer: c
```

```
Which of the following statements are correct in C?

a) A function with the same name cannot have different signatures
b) A function with the same name cannot have different return types
c) A function with the same name cannot have a different number of parameters

a) Option (a)
b) Option (b)
c) Option (c)
d) Option (d)
```

d) All of the mentioned Answer: d

```
What will the function return?

int func(int x, int y)

{

  if (y==0) return 0;

  if (y ==1) return x;

  return x+func(x, y-1);
}

a) Option (a)

b) Option (b)

c) Option (c)

d) Option (d)

c) x + y where x and y are integers

c) x + y where x and y are integers

d) x + y where x and y are integers

d) x + y where x and y are integers

Answer: b
```

```
What is the output of the following C program?
   #include <stdio.h>
   void foo(), f();
   int main()
     f();
     return 0;
   void foo()
      printf("2");
                                                                 a) Compiler error as foo() is not
                                                                 declared in main
                                                                  b) 12
   void f()
                                                                  c) 2 1
                                                                  d) Compile time error due to
      printf("1");
                                                                 declaration of functions inside main
      foo();
                                                                 Answer: b
What will be the output?
   #include <stdio.h>
   int main()
      switch(printf("C"))
        default:
        printf("Default");
        case 1: printf("Choice1");
        break;
        case 2: printf("Choice2");
                                                        a) Choice1
        break:
                                                        b) CChoice1
                                                        c) DefaultChoice1
                                                        d) CChoice1Choice2
     return 0;
                                                       Answer: b
```

```
What will be the output of the C code?
   #include <stdio.h>
   int main()
           char x=0;
           for(x=0; x<=127; x++)
                                                           a) Compilation error
                                                           b) 0, 1, 2 ......, 127
                  printf("%d ", x);
                                                          c) 0, 1, 2, ......, 127, -128, -127,...infinite loop
                                                          d) 1, 2, 3.....,127
           return 0;
   }
                                                          Answer: c
What is the output of the following C program?
#include <stdio.h>
int fun(int n)
  int i, j, sum = 0;
  for(i = 1; i \le n; i++)
     for(j=i; j \le i; j++)
        sum = sum + j;
  return(sum);
                                                                    a) 55
int main()
                                                                    b) 45
                                                                    c) 66
  printf("%d", fun(10));
                                                                    d) 10
  return 0;
                                                                    Answer: a
```

```
Consider the function
find(int x, int y)

{
    return((x<y)?0:(x-y));
}
Let a and b be two non-negative integers. The call find(a, find(a, b)) can
be used to find the
a) Maximum of a, b
b) Positive difference between a and b
c) Sum of a and b
d) Option (c)
c) Sum of a and b
Answer: d
```

```
int fibonacci (int n)
   {
    switch (n)
    {
        default:
        return (fibonacci(n - 1) + fibonacci(n - 2));
        case 1:
        case 2:
     }
    return 1;
    }
```

The function above has a flaw that may result in a serious error during some invocations.

Which one of the following describes the deficiency illustrated above?

| (a) | ,, | a) Option (a) |
|-----|---|---------------|
| | space before the calculation completes. | b) Option (b) |
| ` ' | An error in the algorithm causes unbounded recursion for all values of n. | c) Option (c) |
| (c) | A break statement should be inserted after each case. Fall-through is not | d) Option (d) |
| | desirable here. | , , , , , |

Answer: a

(d) The fibonacci() function includes calls to itself. This is not directly supported by Standard C due to its unreliability.

```
What is the output of the C code given below
#include <stdio.h>
float func(float age[]);
int main()
{
  float result, age[] = { 23.4, 55, 22.6, 3, 40.5, 18 };
  result = func(age);
  printf("Result is=%0.2f", result);
return 0;
float func(float age[])
  int i;
  float result, sum = 0.0;
  for (i = 0; i < 6; ++i) {
     sum += age[i];
  result = (sum / 6);
  return result;
}
```

Answer: 27.08