Functions

Q1 What will be the output of the program? #include <stdio.h> void fun(int p); int main() <u>int</u> a=1; fun(a); printf("%d\n", \underline{a}); return 0; void fun(int p) P=2 int d=2;p = d + +;printf("%d",p); A. 32 B. 12 C. 21 D. 22 Answer: (A)

```
Q2 What will be the output of the program?
#include <stdio.h>
double fun(int,int,int);
int main()
  int a=4, b=6, c=7;
  double d;
  d=fun(a,b,c);
  printf("%lf\n",d);
  return 0;
}
double fun(int a, int b, int c)
  double s;
  s=a%b*c;
  return s;
}
A. 27
B. 27.000000
C. 28
D. 28.000000
```

```
Answer: (D)
```

```
Q3 What will be the output of the program?
#include <stdio.h>
int abc(int u,int v);
int main()
  int a=24, b=16, c;
  c=abc(a,b);
  printf("%d\n",c);
  return 0;
}
int abc(int u, int v)
  int w;
  while (v)
  { w=u%v; u=v; v=w; }
  return u;
}
A. 4
              W= 8
в. 6
C. 5
D. 8
Answer: ( )
                                 160p exits
```

Q4 What will be the output of the program?

```
#include <stdio.h>
void fun(int x, int y);
int main()
{
   int a,b;
   a=5; b=10;
   fun(a,b);
   printf("%d %d\n",a,b);
   return 0;
}
void fun(int x, int y)
{
   int temp;
   temp=x; x=y; y=temp;
}
A. 5 10
B. 10 5
C. 5 5
```

Answer: (β)

```
What will be the output of the program?
#include <stdio.h>
void increment();
int main()
{
   increment(); increment(); increment();
   return 0;
}
void increment()
{
   int x=0;
   x+=1;
   printf("%d ",x);
}
A. 1 1 1
B. 1 2 3
C. 2 3 1
D. 3 2 1
Answer: ( )
```

Q6 What will be the output of the program?

```
Q7 What will be the output of the program?
#include <stdio.h>
int fun1(); 20
int fun2(); /5
void fun3(int,int);
int main()
  fun3(fun1(), fun2());
  return 0;
int fun1()
  int k=20;
  return k;
int fun2()
  int a=15;
  return a;
void fun3(int a, int b)
  int k; \forall \times 35
  k=(a-b)*(a+b);
  printf("%d\n",k);
}
A. 0
B. 184
C. 175
D. compile error
Answer: (C)
```

Q8 What will be the output of the program? #include <stdio.h> void add(); int main() { int i; for (i=0; i<3; i++) add(); return 0; } void add()</pre>

```
{
    static int x=0;
    x++;
    printf("%d", x);
}
A. 112
B. 122
C. 123
D. 234
Answer: (( )
```

```
Q9 What will be the output of the program?
#include <stdio.h>
int f(int a);
int main()
  int a=2,i;
  for (i=0;i<3;i++) printf("%d ",f(a));
  return 0;
int f(int a)
  int b=0;
  static int c=3;
  b++; c++;
  return (a+b+c);
A. 7 7 7
B. 7 10 13
C. 7 9 11
D. 7 8 9
Answer: ())
```

Q10 What will be the output of the program?

```
#include <stdio.h>
int test1();
int test2();
int main()
{
   int i,m,n;
   for (i=0;i<3;i++)
   {
      m=test1();</pre>
```

```
n=test2();
  printf("%d,%d\n",m,n);
  return 0;
}
int test1()
  int x=0;
  x++;
  return x;
}
int test2()
  static int x=0;
  x++;
  return x;
}
A. 1,1
B. 1,3
c. 3,1 k
D. 3,3X
Answer: (S)
```