Question 1

```c
#include <stdio.h>
int x=40;
void main()
{
int x=20;
printf ("\n %d",x);

}
```

Output:
 20

What will be the output of following program?

```c
#include <stdio.h>
void main()
{
  int x=40;
  {
 int x=20;
 x=x+10;
  }
  printf ("\n %d ",x);

}
```
Ans 40

Question 2

Which of the following is the correct output for the program given below?

```c
#include<stdio.h>

void main()

{

  int x=40,y=50,z=10,i;

  i=x<y<z;

  printf("%d",i);


}
```

A. 0

B. 1

C. Error

D. None of the above

Ans B

Question 3

Which of the program(s) given below print 3 times value of num variable?

program-1

```
#include<stdio.h>

void main()

{

  int num=30, x;
  x=
num+num+num;

  printf("%d",x);



}
```

program-2

```
#include<stdio.h>

void main()

{

  int num=30;
  x=num*3;
  printf("%d",x);



}
```

program-3

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

```c
void main()

{

  int num=30;
  printf("%d",num/3+2*num/3+6*num/3);




}
```

 A, program-1 and program-2
 B. program-1 and program-3
 C. program-2 and program-3
 D. program-1, program-2, and program-3
 E. None of the above

Ans D

Question 4

#include <stdio.h>

```c
void main()
{
int a=10, b;
printf ("\n%d %d",a,b);

}
```

Output:
 10 Garbage value

Which of the following is the correct output for the program given below?

#include <stdio.h>

```c
void main()
{
struct emp

{

char name[20];

int age; float sal;
```

```
};

struct emp e = {"Tiger");
printf ("\n%d %f", e.age, e.sal);

}
```

A. 0 0.000000

B. Garbage values

C. Error

D. None of the above

Ans A

Question 5

Which of the following is not a user-defined data type?

A.

```
 struct book
{
char name[10]; int pages;
```

float price;

```
};
```

B.

```
 long int i = 23;
```

C.

```
enum day {Sun, Mon, Tue, Wed};
```

D.

```
 union a
{
```

int i;

char ch[2];

```
};
```

Ans B

Question 6

Point out the error, if any, in the following program.

```c
#include <stdio.h>
void main()

{

int i = 1;
switch (i)
{

case 1:

printf ("\nRadioactive cats have 18 half-lives."); break;

case 1*2 +4:

printf ("\nBottle for rent - inquire within.");
break;
    }

}
```

Ans No error

Question 7

Which of the following is the correct output for the program given below?

```c
#include <stdio.h>
void main()
{
int a = 300, b, c;
if (a >= 400)
    b = 300;
    c = 200;
printf ("\n%d %d %d", a, b, c);
}
```
A. 300 300 200
B. 300 Garbage Garbage
c. 300 Garbage 200
D. None of the above

Ans C

Question 8

Which of the following is the correct output for the program given below?

```c
#include <stdio.h>
void main()
{
float x=30.5;
```

```
if(30.5>x)
   printf("Hare");
else
   printf("Hare Krishna");

}
```

A. Hare
B. Hare Krishna
C. Hare Hare Krishna
D. none of the above

Question 9

Which of the following is the correct output for the program given below?

```
#include <stdio.h>
void main()
{
int i = 0;

for (; i < 5; i++);
    printf ("%d", i);

}
```

A. 0 1 2 3 4

B. 5

C. 1 2 3 4

D. 6

Ans B

Question 10

On executing the following program how many times would the message
"Keep it up" would get printed?

```
#include <stdio.h>
void main()

{

int x;

for (x=-1; x <= 10; x++)

{

if (x<5) continue;
```

else

break;

printf ("Keep it up");
}

A. Infinite times

B. 11 times

C. 0 times

D. Once

E. 10 times

F. 6 times

Ans C

Question 11

Which of the following is the correct output for the program given below?

```
#include <stdio.h>
void main()
{
int x = 4, y, z;

y=--x;

Z=x--;

printf ("%d %d %d", x, y, z);

}
```

A. 4 3 3

B. 4 3 2

C. 3 3 2

D. 2 3 3

E. 2 2 3

Ans D

Question 12

Which of the following is the correct output for the program below?

```
#indude <stdio.h>
void main()
{

   float a=0.7;
    if(a<0.7f)
      printf ("C");
    else
 printf ("C++");
}
```

A. C

B. C++

C. Compiler reports an error saying a float cannot be compared with a double.

D. None of the above

Ans B

Question 13

Which of the following is the correct output for the program given below?

```
#include <stdio.h>
void main()
{
int i=1;

if(!i)
printf ("Recursive calls are painful\n");

else

{

   i=0;
   printf ("Recursive calls are challenging\n");
   main();
}

}
```

A. Recursive calls are challenging

  Recursive calls are painful

B. Recursive calls are painful

C. Recursive calls are real pain!

   Recursive calls are challenging

D. Recursive calls are challenging .

E. The code prints Recursive calls are challenging

   Recursive calls are challenging (infinitely...)

Ans E

Question 14

How many times the following program will print "Jamboree"?

#include <stdio.h>

void main()
{
printf ("\nJamboree");

main();

}

A. Infinite number of times

B. 32767 times

C. 65535 times

D. Till the stack doesn't overflow

Ans D

Question 15

What is the return data type of the following function?

int fun(float aa)
{
 return((int)aa);
}

Ans int

Question 16

How many times ☐ Hare Krishna☐ will be printed?

#include <stdio.h>

```c
void main()
{
int x = 0;
  do
  {
     printf (□ Hare Krishna□ );
     x++;
  }while (x<10)
}
```

A. 10
B. 9
C. 11
D. Error

Ans Error

Question 17

What is the return value of the function below when called with the following input data array: {31,71,21,91,14}.

```c
int getMin(int data[])
{
int min=0;
for(i=0; i<5; i++)
 {
 if (data[i]<min) then
         {
             min=data[i];
         }
     }
     return min;
}
```

Ans 0

Question no 18

Which of the following is the correct output for the program given below?

```c
#include <stdio.h>
void main()

{
int fun (int);
int i = fun (10);
printf ("%d\n", --i);
}
int fun (int i)
{
return (i++);

}
```

A. 9

B. 10

C. 11

D. 8

Ans A

Question 19

Which of the following statements are correct about the program given below?

```
#include<stdio.h>
int reverse (int);
void main()
{
int no = 5;

reverse (no);

}

reverse (int no)
{
if (no == 0)
return 0;

else

printf("%d", no);

reverse (no--);

}
```

A. Program outputs values 5 4 3 2 1.

B. Program outputs values 1 2 3 4 5.

C. Program outputs values 5 4 3 2 1 0.

D. Program runs in an infinite loop.

Ans D

Question 20

Which of the following is the correct output for the program given below?

```
#include <stdio.h>

void main()
```

```
{
int arr[1] = {10};
printf ("%d", 0[ arr]);

}
```
A. 1

B. 10

C. 0

D. None of the above

ans B