



NATIONAL SCHOOL OF BUSINESS MANAGEMENT
Common First Year -1st Semester – All the Computing related Degree Programs
Sample Paper - Mid Test
Module Name: Programming with C Language

Answer All Questions (20 marks)

Time: 1 hour

Questions 1) to 10) : Fill in the blanks in each of the following.

1. To store numbers with fractions we can use float and _____ data types.
2. The _____ standard library function displays information on the screen.
3. All programs can be written in terms of three types of control statements: sequence , selection and _____.
4. The _____ repetition statement specifies that a statement or group of statements is to be executed repeatedly while some condition remains true.
5. The && , || and ! are called as _____ operators.
6. The _____ statement, when executed in a repetition statement or a switch, causes immediate exit from the statement.
7. A function called by itself is called as _____ function.
8. A variable defined outside any block or function is a (n) _____ variable.
9. In an array index begins with _____.
10. We can declare an array named arr with 3 rows and 4 columns as _____.

Write the outputs (In front of the question) of each of the following program segment. All the code is written inside the main function with the header files

11. int x=10;
 printf("%d",x++);
 printf("%d",++x);
12. int x=10,y=20;
 if(x>=5 && y>=5)
 printf(" Y \n");
 else
 printf(" N \n");
13. int a=5;
 if(a>5)
 printf(" A \n");
 else if(a==5)
 printf(" B \n");
 else
 printf(" C \n");

14.

```
int p=1;
switch(p)
{
    case 0:printf("P ");
    case 1:printf("Q ");
    case 2:printf("R ");break;
    default:printf("S ");
}
```
15.

```
int x=10;
while(x<=100)
{
    printf("%d ",x);
    x+=10;
}
```
16.

```
int p;
for(p=50;p>=10;p=p-10)
printf("%d ",p);
```
17.

```
int a=1;
do
{
    printf("%d ",a);
    a=a+1;
}while(a<=5);
```
18.

```
int a=1;
while(a<=5)
{
    if(a%2==0)
        printf("%d ",a);
    a++;
}
```
19.

```
int x,y;
for(x=1;x<=5;x++)
{
    for(y=1;y<=5;y++)
    {
        printf("* ");
    }
    printf("\n");
}
```
20.

```
int sum=0,x=1;
while(x<=5)
{
    sum=sum+x;
    x++;
}
printf("%d",sum);
```