DATE :

Name of Practical

Practical 1.

Aim: Write and execute C programs for the following using Formatted statements.

Programs:

1. 1. To display the message "Welcome to IT Dept, G, P Nagpur"

→
```
#include<stdio.h>
int main(){
printf("Welcome to IT Dept, G P Nagpur"
return 0;
}
```

1. 2. To add two integer numbers:

→
```
#include<stdio.h>
int main(){
int a=5,b=3;
printf("Sum of %d and %d is : %d", a,b,a+b);
return 0;
}
```

1. 3. To find larger of two numbers using conditional statement:

→
```
#include<stdio.h>
int main(){
printf(" int a,b;
printf("Enter two number : ");
scanf("%d %d",&a,&b);
(a==b) ? printf("The two integers are equal");
: (a>b) ? printf("%d is greater than %d",a,b);
: printf("%d, is greater than %d",b,a);
return 0;
}
```

Teacher's Signature .....

Name of Practical

ii. a) Draw a flow chart write and execute the following C programs using various operators and Typecasting.

a) To add all four digits of a four digit integer number. (use modulous operator).

→

```
#include <stdio.h>
#include <conio.h>
int main( ){
   int a,b;
   int sum=0;
   int i;
printf("Enter a 4 digit number : ");
scanf("%d",&a);
  for(i=0;i<4;i++){
      b=a%10;
      a=a/10;
      sum=sum+b;        // can also be written as 'sum+=b;'
    }
printf("%d",sum);
 return 0;
}
```

b) To display the size of integer data type using sizeof operator.

→

```
#include <stdio.h>
int main( ){          int a;
  printf("The size of int is:%d", sizeof a);
 return 0;
}
```

Teacher's Signature .....

Name of Practical

c) To convert integer data type into float data type using the type casting operation.

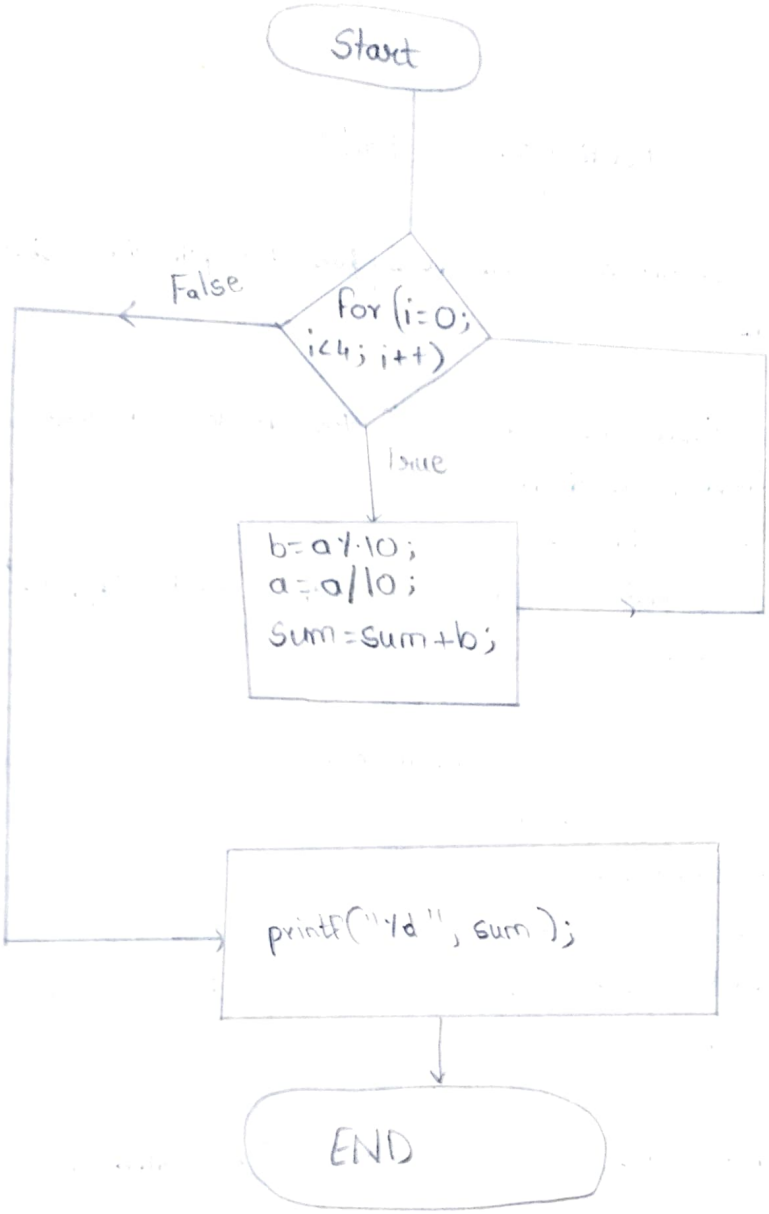
→
```
#include <stdio.h>
int main() {
int a, b;
float c;
printf("Enter the integer and divisor");
scanf("%d %d", &a, &b);
c = (float) a/b;
printf("%f", c);
}
```

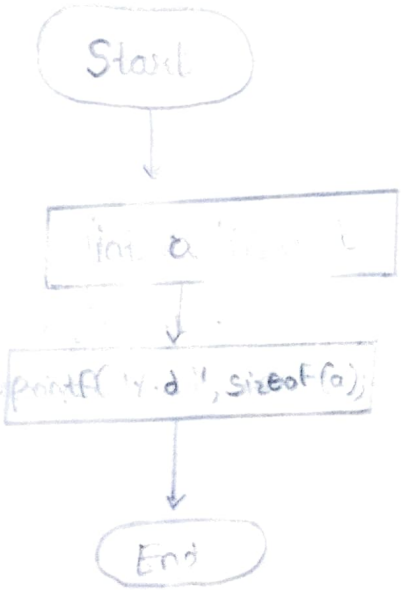
d) To display the whether the number entered by the user is ODD or even.

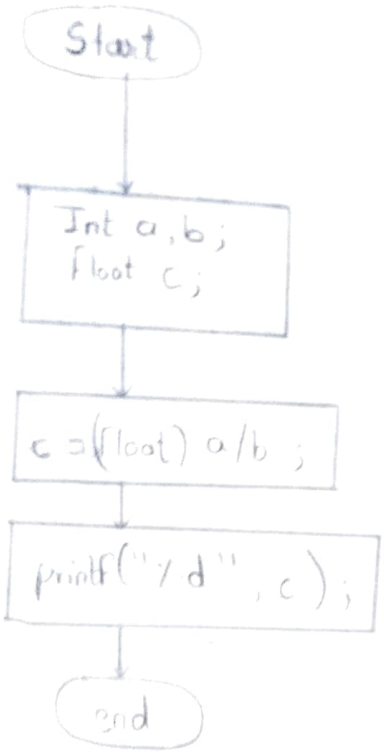
→
```
#include<stdio.h>
int main(){
int a;
printf("Enter a number : ");
scanf("%d", &a);
if(a%2 ==0){
printf"%d is even", a); }
else{
printf("%d is odd", a); }
return 0; }
```

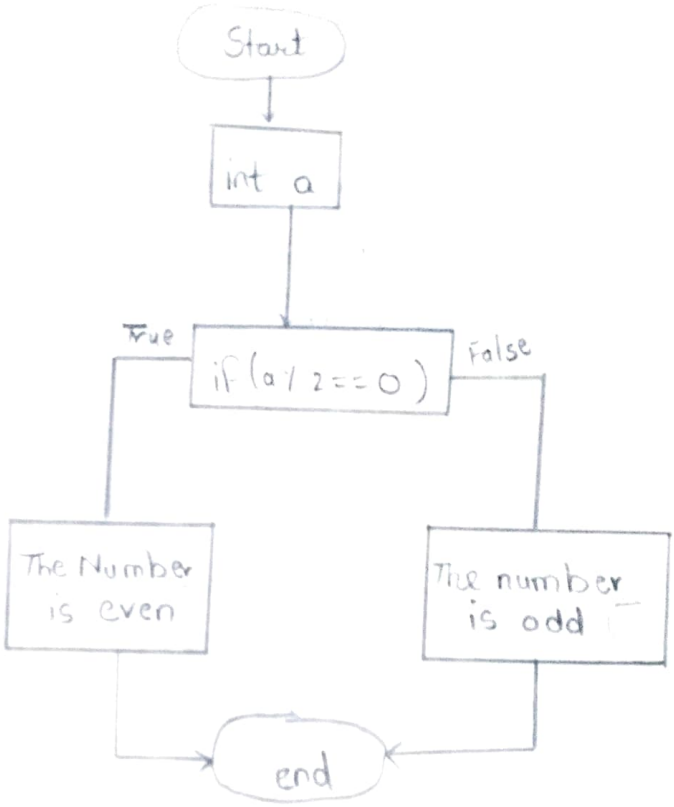
Conclusion : Hence, I performed the practicals and wrote the above codes.

Teacher's Signature .....


Start
For (i=0; i<4; i++)
False
Ture
b=a%10;
a=a/10;
Sum=Sum+b;
printf("%d", sum);
END


Start
int a
printf("%d", sizeof(a));
End


Start
Int a,b;
float c;
c = (float) a/b ;
printf("%d", c);
end


Start
int a
True
if (a%2==0)
False
The Number is even
The number is odd
end