**Q1) Write a menu driven program that allow the user to perform any one of the following operations based on the input given by user**

**i       Check number is even or odd**

**ii      Check number is positive or negative**

**iii     Printing square of the number**

**iv     Printing square root of the number (use math.h)**

**Use switch statement for a menu driven program. Also, use validation checks wherever necessary.**

**Code:-**

**#include<stdio.h>**

**#include<math.h>**

**Int main(){**

**int a, choice ;**

**float total;**

**printf("Enter your choice:\n");**

**printf("1.EVEN or ODD\n2.POSITIVE or NEGATIVE\n3.SQUARE ROOT\n4.SQUARE\n5.EXIT\n");**

**scanf("%d",&choice);**

switch(op)

case 1:

if(a%2==0)

printf(“%d”,a,”is even”);

else

printf(“%d”,a,”is odd”);

break;

case 2:

if (n>0)

printf(“%d”,a,“ is Postive Number”);

else

printf(“%d”,a,”is Negative Number “);

break;

case 3:

printf(“Square root of %d = %d\n”,sqrt(a));

break;

case 4:

printf(“Square of %d=%d\n”,a\*a);

break;

case 5;

printf(“Good Bye @@@@@@”);

break;

default