**WHITE BOX TESTING TECHNIQUES:**

**1.Data flow testing:**

Check the num is even or odd:

1.num=2

2.If(num%2==0)

{

3.Print(even,num)

4.Else

5.Print(odd, num)

}

**2.Control flow testing:**

Start

num=2



yes no

if(num%2==0)



even



odd



print (num)



stop

**3.branch coverage testing:**

Start **A**

1

num=**2 B**



3 yes 2 **C**  no 4

if(num%2==0)



**D** even



5 **6 E** odd



print (num) **F**

7



Stop

Path1(yes):A1,B2,C3,D5,F7

Path2(no):A1,B2,C3,E6,F7

**4.statement coverage testing:**

1.num=2

2.If(num%2==0)

{

3.Print(even,num)

4.Else

5.Print(odd, num)

}

Total staements=5

If yes=3

S c t=3/5\*100

=60

If no=4

S c t=4/5\*100

=80

**5.decision coverage testing:**

1.num=3

2.If(num%2==0)

{

3.Print(even,num)

4.Else

5.Print(odd, num)

}

Start



num=3



yes no



if(num%2==0)



even



odd



print (num)



stop

Total decision outcomes=2

No of outcomes =1

D c t=1/2\*100

=50

