**Pseudocodes and algorithms**

**Q1**.

Input: Enter the his/her age for voting

Output: display eligible for voting or not

If age less or equal to 18

Yes- Allow to vote

No-Reject voting

**Q2**.

Int n;

{

If (n%2)==0

Print(“number is prime)

Else

Print(“number is not prime)

}

**Q3**.

Input: number n

Output: reverse number

Enter the value of n

Remainder=n mod 10

Rev=rev\*10 +remainder

n/=10

Display reverse of number

**Q4**.

int n

{

While( n=1)

Fact=fact\*(n-1)

Print (“fact)

}

**Q5.**

Input: string **CITIUSTECH**

Output: count of vowels

If s=’a’, ’e’, ’i’, ’o’, ’u’

Count=count+1

Print count of vowels in string

**Q6**.

i. Int n

{

if(n<=18)

print(“eligible for voting”);

else

print(“not eligible for voting”);

}

ii. int n

{

Reverse=0;

If(n!=0)

Remainder=n%10;

Reverse=reverse\*10+remainder;

n/10;

print(“reverse number”);

}

iii. string s

{

S=[‘c’,’i’,’t’,’i’,’u’,’s’,’t’,’e’,’c’,’h’]

If(s=’a’,’e’,’i’,’o’,’u’)

vcount=vcount+1;

print(“number of vowels);

}

**Q7**.

i. input: enter the number n

output: display number is prime or not

if n mod of 2 equal to 0

yes- display number is prime number

no- display number is not prime number

ii. input: enter the number n

output: factorial of the number

in loop

n=1

factorial=factorial\*n-1

display factorial