## **Algorithms and Pseudocode**

## Q1-Write the algorithm to find the given number is prime or not.

Ans1-

START

Step 1  $\rightarrow$  Take integer variable A

Step 2  $\rightarrow$  Divide the variable A with (A-1 to 2)

Step 3  $\rightarrow$  If A is divisible by any value (A-1 to 2) it is not prime

Step 4  $\rightarrow$  Else it is prime

STOP

## Q2- what is algorithm?

Ans2- An algorithm is the step by step solution of any problem in computer. This is a set of instruction to solve logical and mathematical problem.

## Q3- write the algorithm to find gcd of given two number.

Ans3- GCD of two number is-Step 1: Start Step 2: Declare variable num1, num2, gcd=1, i=1 Step 3: Input num1 and num2 Step 4: Repeat until i<=num1 and i<=num2 If num1%i==0 && num2%i==0: gcd = i

Step 5: Print gcd Step 6: Stop