**CSC 102 ASSIGNMENT**

1. **STATEMENT TO WRITE A PSEUDOCODE DESCRIBING THE EUCLIDEAN’S ALGORITHM USING THE SIMPLE IF**

STEP 1: Begin

STEP 2: Declare values of numerator, denominator, remainder, Num1, Num2

STEP 3: Enter values for Num1, Num2

STEP 4: If {Num1>Num2}{Denominator=Num1, Numerator = Num2}

STEP 5: Else Numerator = Num2, Denominator= Num1

STEP 6: Remainder= Numerator(Modulus) Denominator

STEP 7: Remainder= Numerator (Modulus) Denominator

STEP 8: While Remainder is not equal to 0, print denominator as the GCD

STEP 9: End

1. IMPLEMENTING THE ABOVE PSEUDOCODE INTO THE SCRATCH PROGRAM

