**FLOWCHARTS**

**1.**

Sent the package for delivery

Correct info

Wrong Info

Sent the package back to warehouse

Confirm customer details.

Complete the process on urgent

YES

NO

Complete the process on normal basics

Check is the package delivery urgent

Proceed to Normal Sorting

NO

YES

Mark as Fragile.

Is the package Fragile?

Is the Package correctly labelled?

Receive Packages

**2.**

NO

YES

NO

YES

YES

NO

Dispense Product

Insufficient amount

Is the total amount lesser the product Price?

Input Cash

Add more product?

Add to Cart

Not available

Product available

Select Product

**PSEUDOCODE**

**1.**

START

// Initialize variables INPUT a, b, c

// Assume a as smallest

Smallest = a

//compare a with b

IF b< smallest Then

b = smallest

ENDIF

//compare the current smallest with number c

IF c<smallest number

C = smallest

ENDIF

// Output smallest number

Print ‘the smallest number is’, smallest

END

**2. skipped**

**3.**

START

//prompt the user for input

PRINT ‘Enter the first number;’

Input number1

PRINT ‘Enter the second number;’

Input number2

PRINT ’Enter the operation (multiply or divide’

Input operator

// Perform the operation based on the user’s input

IF operator = ‘multiply, THEN

Result = number1\*number2

ELSEIF the operator = ‘divide’ THEN

Number2 != 0 THEN

Result = number1/number2

ELSE

Print “error, Invalid operator. Please use “divide” or “multiply”

Result = “undefined”

ENDIF

If the result ! = “undefined” then

PRINT ‘the result is’, result

ENDIF

END

**ALGORITHM**

**1.**

OUTPUT “Enter a number”

INPUT number

Found = FALSE

FOR count = 2 to (number DIV 2)

IF number MOD count = 0 THEN

Found = TRUE

ENDIF

ENDFOR

IF found THEN

Print “the number is not prime”

ELSE

PRINT “then number is a prime number”

**2.**

INPUT day

rmd =day MOD 7

IF rmd = 0 THEN

Print “Monday”

ELSEIF rmd = 1

Print “Tuesday”

ELSEIF rmd = 2

Print “Wednesday”

ELSEIF rmd = 3

Print “Thursday”

ELSEIF rmd = 3

Print “Thursday”

ELSEIF rmd = 4

Print “Friday”

ELSEIF rmd = 5

Print “Saturday”

ELSE

Print “Sunday”

ENDIF

**3.**

Input num1, num2

IF num1<num2

smaller = num1

ELSE

smaller = num2

FOR count = 1 to smaller

IF num1MOD count = 0 AND num2MOD count = 0

HCF =count

ENDIF

ENDFOR

Print GCD