**Flowchart Q1:**

Input Package

Sort Package

IF Package == Fragile

Print “Carefully handle”

True

False

IF Package == Urgent

Print ”To be delivered urgently”

True

Deliver Package

False

**Flowchart Q2**

A == item

NUM = INPUT

Repeat

Until

False

Despense item

True

IF amount >= price

False True

PRINT

”Insufficient funds”

**Pseudocode Q1:**

START

INPUT Num1

INPUT NUM2

INPUT NUM3

IF Num1 < Num2 AND Num1 < Num3 THEN

PRINT(Num1,”: Is the smallest number”)

ELSE IF Num2 < Num1 And Num2 < Num3 THEN

PRINT(Num2,”: Is the smalles number”)

ELSE

PRINT(Num3,”: Is the smallest number”)

END

**Pseudocode Q3:**

INPUT Num1, Num2

PRINT “Choose operation ( \* , /)

INPUT Operator

IF Operator == “\*” THEN

Result = Num1 \* Num2

Else:

Result = Num1/Num2

PRINT “Result”

**Algorithm Q1:**

* Take Num as input
* Initialise variable temp to 0
* Iterate a loop from 2 to Num
* MOD Num by every number starting from 2
* If MOD is 0 then change temp to temp = 1
* If temp = 1 then Num is not a prime number

**Algorithm Q2:**

* Take Num as input
* Initialise variable count to 0
* Initialise variable Day to 1
* Iterate a loop till count = Num
* Add 1 to count in the loop
* Add 1 to Day
* At Day = 7 change back to Day = 1 through IF loop
* When count = Num check Day
* Use IF loop to find the day
* Day(1-7) and day(Mon-Sunday) in order
* Display day

**Algorithm Q3:**

* Declare variables Temp and A as integer
* Take Num1 and Num2 as input
* Run IF loop to see which number is greater
* Run IF loop till the value of temp is 0
* Use MODULUS, the dividend being smaller number
* Store output of MODULUS in Temp and dividend in A
* Use MODULUS with A as dividend
* When Temp = 0 the current value of A is the GCD
* Display A as GCD