***PSEUDOCODE***

Q1) START

// Input/Output

INPUT number1

// variables and Initialization]

SET R to 0

// Process Steps

SET R to Number/5

// Conditional Statements

IF R=0

PRINT “number is multiple of 5.”

ELSE

PRINT “number is not a multiple of 5.”

Q2) START

// Input/Output

INPUT Character 1

// variables and Initialization]

SET C to Character 1

IF SET C==A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z

PRINT “uppercase”

ELSE

PRINT “lowercase”

Q3) START

// Input/Output

INPUT number1

INPUT number2

INPUT number3

INPUT S/D

// variables and Initialization

SET M to multiply

SET L to sum

SET S to 0

SET D to 0

// Process Steps

SET S to number1 L number2 L number3

SET D to number1 M number2 M number3

// Conditional Statements

IF S

PRINT “sum is S”

ELSE

PRINT “Answer is D”

Q4) START

// Input/Output

INPUT number1

// variables and Initialization

SET N=number1

// Process Steps

IF N=0

PRINT “Number is 0”

ELSE IF N=+

PRINT “Number is Positive”

ELSE

PRINT “Number is Negative”

Q5) START

// Input/Output

INPUT number1

// variables and Initialization

SET age to number1

// Conditional Statements

IF age <=‘13’& >=’19’

PRINT “teenager”

ELSE

PRINT “not teenager”

***ALGORITHEMS***

Q1) Ask the user to enter Year

IF (Year/100 = 0 & Year/400 = 0)

Display “leap year”

ELSE IF (Year/4 = 0 & Year/100! = 0)

Display “leap year”

ELSE (Year/100 = 0 & Year/400!= 0)

Display “not leap year”

Q2) ask user for a string

Ask user for a character in the string

Use CNT function to count number of occurrence of character

Display Number of characters

Q3) Ask user for base X

Ask user for Power Y

SET Y to multiply X by itself until multiple reaches Y

SET answer as A

Display A

Q4) Ask the user to enter Radius

SET Radius as r

SET Area (r^2\*3.142)

Display area

Q5) ask user for Number 1,2,3

IF 1> 2 > 3

PRINT “Number 2 is Median”

ELSE IF 2>1>3

PRINT “Number 1 is Median”

ELSE 2>3>1

PRINT “Number 3 is Median”

A

END

yes

No

Verify payment

Process payment

A

Exit

Checkout, Read card details

yes

No

Print; stock is not available

Calculate; availability – number.

Stock available

Read; stock price, stock number, stock availability

Start