# Question#1

Write a pseudocode which asks the user to enter the radius of a circle and then calculates and

prints the area and circumference of the circle.

radius=0

area=0

circumference=0

Print “enter radius”

Input radius

area=3.14\*radius\*radius

circumference=2\*3.14\*radius

print ”area is=”area

print ”circumference =”circumference

# Question#2

Write a pseudocode which asks the user to enter two different numbers and determines is one of

them is twice the other number. Then print the smaller one.

Print ”enter numbers”

Input x ,y

If(y=2\*x)

print x ”is twice the number” y

else if(x=2\*y)

print y ”is twice the number” x

else if(y>x)

print x ”is smaller”

else

print y “is smaller”

# Question#3

Write pseudo code that performs the following: Ask a user to enter a number. If the number is

between 0 and 10, write the word blue. If the number is between 10 and 20, write the word red. If

the number is between 20 and 30, write the word green. If it is any other number, write that it is

not a correct color option.

Print “enter a number”

Input number

If (number>0 AND number<10)

Print “blue”

else if (number>10 AND number<20)

print”red”

else if (number>20 AND number<30)

print”green”

else

print” not a correct color option.”

# Question#4

Write a pseudo code that read a number from the user, test whether it is even or odd and

then display accordingly.

Print”enter the number”

Input num

If (num%2=0)

Print “number is even”

Else

Print “number is odd”

# Question#5

Read N numbers and display percentage of positive numbers, percentage of zeros and percentage

of negative numbers. (Note that the value of N will be entered by the user).

Input n

i=0

positive percentage=0

zero percentage=0

negative percentage=0

positive=0

negative=0

zero=0

While (i>n+1)

Input num

If(num>0)

positive=positive+1

Else If(num<0)

negative=negative+1

Else

zero=zero+1

i=i+1

positive percentage=positive/n\*100

negative percentage=negative/n\*100

zero percentage=zero/n\*100

print”positive percentage is”positive percentage

print”negative percentage is” negative percentage

print “zero percentage is” zero percentage