**Sharif Education Complex**

Assignment for Computer Science 2210

O level- II

Pseudocode and Flowchart Concepts

Q1) **Write an pseudocode and draw flowchart that**

* inputs three numbers
* outputs the greatest number (hint : a>b AND a>c then print a)

Q2) **Write an pseudocode and draw flowchart, that**

* inputs three numbers
* outputs the smallest number

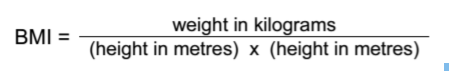
Q3) **Draw a flowchart and also write pseudocode that**

* Inputs a number
* Find out number is even or odd
* Output Even or ODD

Q4) **Draw a flowchart and also write pseudocode that**

* Inputs 50 number
* Find out number is Integer or Real
* Count Integer and Odd Numbers

Q5) **A formula for calculating the body mass index (BMI) is:**



Using Flowchart also write a pseudocode that will input weight (kg) and height (m) of students, calculate their body mass index (BMI) and output their BMI and comments on BMI.

**BMI <19 Under weight**

**BMI < =25 Normal Weight**

**BMI>25 Over weight**

**Q6) Draw a flowchart and also write pseudocode that**

* Inputs a series of numbers(**num**)
* Calculates their total ( hint : total = total+**num**)
* Stops input if a negative number is entered
* Output total.

**Q 7) Draw a flowchart and write pseudocode that**

* Inputs temperature for a week (7 days)
* Outputs highest and lowest temperature ( hint : you can set your **mintemp** and **maxtemp** and then compare them and add to count variable e.g. **mintemp++;max temp++;)**

**Q 8) Draw a flowchart that**

* Inputs marks of a class of 30 students
* Outputs how many students are pass and how many are fail( hint : use count variable for pass++; fail++)

**Q 9) Draw a flowchart that**

* Inputs per litre price of 5 different brands of milk
* Outputs how average price per litre

**Note :**

* Assignment should be done with the help of class material i.e. what is covered (Assignment op ,IF,CASE,CONTROLLED LOOP,PRE AND POST CONDITION)
* Plagiarism of assignment would not be acceptable