**Sharif Education Complex**

Assignment for Computer Science 2210

**Deadline** : 4th September ,2019(Wednesday)

**Marks: 20**

Q1) **Write an algorithm, using flowchart only that**

* inputs three numbers
* outputs the greatest number

Q2) **Write an algorithm, using flowchart only, that**

* inputs three numbers
* outputs the smallest number

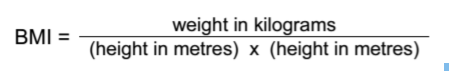
Q3) **Draw a flowchart that**

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

Q4) **Draw a flowchart that**

* Inputs 50 number
* Find out number is Integer or Real
* Count Integer and Odd Numbers
* Output how many were integer and odd

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



Using Flowchart, write an algorithm 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 that**

* Inputs a series of numbers
* Calculates their total
* Stops input if a negative number is entered
* Output total.

**Q 7) Draw a flowchart that**

* Inputs temperature for a week (7 days)
* Outputs highest and lowest temperature

**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

**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