**Assignment 1**

Microprocessor & Assembly Language

***Submitted To***

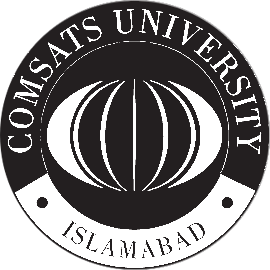
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**Statement:**

Take two values at two different memory locations. Perform following operations on numbers.

* *AND*
* *OR*
* *INC first Number by 4 & Second number by 2*
* *DEC first Number by 3 & Second number by 1*

Show all the Individual **Results at Six Consecutive Memory Allocation**.

**Solution:**

*org 100h*

MOV Ah,12

MOV Bh,14

AND Ah,Bh

**MOV [1],Ah**

OR Ah,Bh

**MOV [2],Ah**

INC Ah

INC Ah

INC Ah

INC Ah

**MOV [3],Ah**

INC Bh

INC Bh

**MOV [4],Bh**

DEC Ah

DEC Ah

DEC Ah

**MOV [5],Ah**

DEC Bh

**MOV [6],Bh**

*ret*

