Time allowed: 10 min   **Total marks: 20**

Roll Number: _____   **Name:_____**

Q#1:   **[10]**

Suppose:

AX= 0100h , BX=0000h , CX= FFFFh , DX=0000h

What will the new values of register after the execution of these instruction?

Instruction	AX	BX	CX	DX	Carry Flag
MUL CX	FF00	0000	FFFF	00FF	1
IMUL CX	FF00	0000	FFFF	FFFF	0

Q#2:   **[10]**

Suppose:

AX= 0005h, BX=FFFFh , CX=0000h , DX=0000h

What will the new values of register after the execution of this instruction?

Instruction	AX	BX	CX	DX	Carry Flag
DIV BX	0000	FFFF	0000	0005	No effect
IDIV BX	FFFB	FFFF	0000	0000	No effect