



COMSATS University Islamabad (Lahore Campus)

Lab-Terminal Fall 2023

Course Title:	computer organization and assembly language	Course Code:	CSC325	Credit Hours:	3(2,1)
Course Instructor:	MUNAWAR UL ZAMAN	Programme Name:	BCS		
Due Date:		Maximum Marks:			
<u>Important Instructions / Guidelines:</u>					

Lab-Terminal Examination

Question No 1.

Marks: 10

CLO: <5>; **Bloom Taxonomy Level:** <Applying>

Write an assembly language program that ask user to enter a number and calculating the factorial of a number using 8086 microprocessors.

1. First write its ALGORITHM
2. Write code in emu8086
3. Show its output

Question No 2.

Marks: 10

CLO: <6>; **Bloom Taxonomy Level:** <Creating>

Suppose the following declarations have been made

```
STRING1 BYTE 'FGHIJ'
STRING2 BYTE 'ABCDE'
          BYTE 5 DUP (?)
```

Write some code to move STRING1 to the end of STRING2, producing the string "ABCDEFGHIJ".

Question No 3.

Marks: 10

CLO: <6>; **Bloom Taxonomy Level:** <Creating>

Suppose A is a 5 x 7-word array stored in row-major order. Write some code to (1) clear column 4. Use based indexed mode.

