National University of Computer and Emerging Sciences, Lahore Campus

Course:	**Computer Organization and Assembly Language**	**Course Code:**	**EE213**
Program:	**BS (Computer Science)**	**Semester:**	**Fall 22**
Duration:	**40 Minutes**	**Total Marks:**	**10**
Paper Date:	**15-Nov-2022**	**Weight**	**5%**
Section:	**ALL**	**Page(s):**	**2**
Exam:	**Quiz 1**	**Roll No:**	

Instruction/Notes:
- Write down your name and roll number.
- Properly comment your code.
- Write your answer in the space provided. You **can take extra sheets BUT they WONT BE ATTACHED WITH THE QUESTION PAPER NOT MARKED.**

Question 1:

Initialize *AX* with last 4 digits of your roll number as **Hexadecimal number** (for example, if your roll number is 16L-4195 then *AX* should be initialized with 0x4195). Then write asubroutine (ASCII_convert) which uses your roll number information from AX and returns a character string which contains equivalent ASCII from characters equivalent to every digit of yourroll number.

(You can see **ASCII Table** in **[1]** to find equivalent codes for numeric characters)

Sample Input: 0x 4195

Sample Output: Equivalent Decimal: 16789

Equivalent char of decimal to be printed:

16: space

78:N

9: Tab