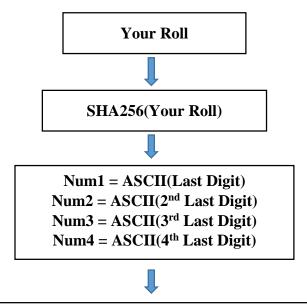
NOTE: ASSIGNMENT ON DISPLAY



Num1 mod 10 > 5 ? Num1 = Num1 mod 10 : Num1 = Num1 mod 10 + 5 Num2 mod 20 > 10 ? Num2 = Num2 mod 20 : Num2 = Num2 mod 20 + 9 Num3 mod 25 > 15 ? Num3 = Num3 mod 25 : Num3 = Num3 mod 25 + 10 Num4 mod 50 > 30 ? Num4 = Num4 mod 50 : Num4 = Num4 mod 50 + 20

Instruction:

- Let, The CRT display can show #Num3 rows of characters with #Num4 characters in each row.
- Each character is represented by #Num1 X #Num2 dot matrix (Num1 for column and Num2 for row). For better representation, ROM forms the character size in (#Num1 + 1) X (#Num2 + 1) matrix format.
- Q1: Draw the signal generation circuit for displaying the characters on the screen? (5 pt.)
- Q2: What size of ROM is needed for displaying all character in the CRT display at a time? (5 pt.)

Note: Please use only one A4 size paper for your assignment. You can use both side.