



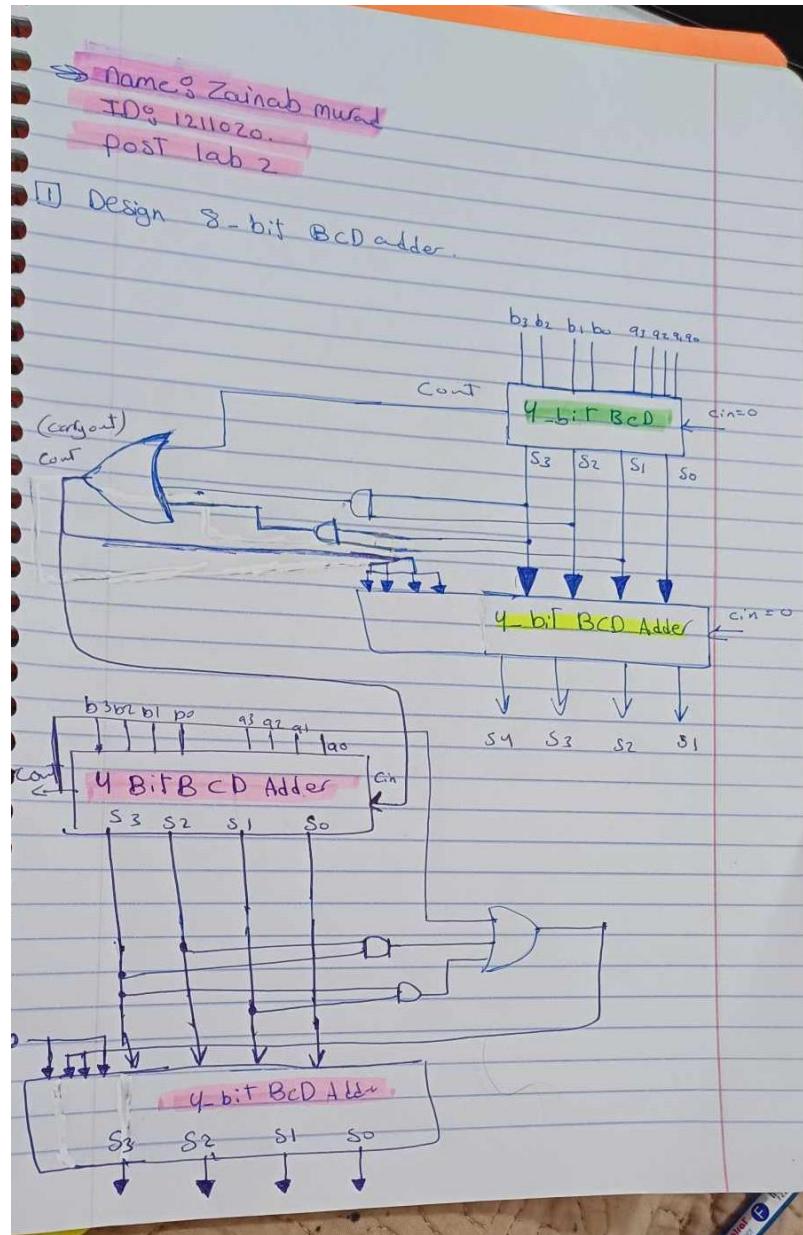
Faculty of Engineering and Technology Department  
of Electrical and Computer Engineering

ENCS 2110

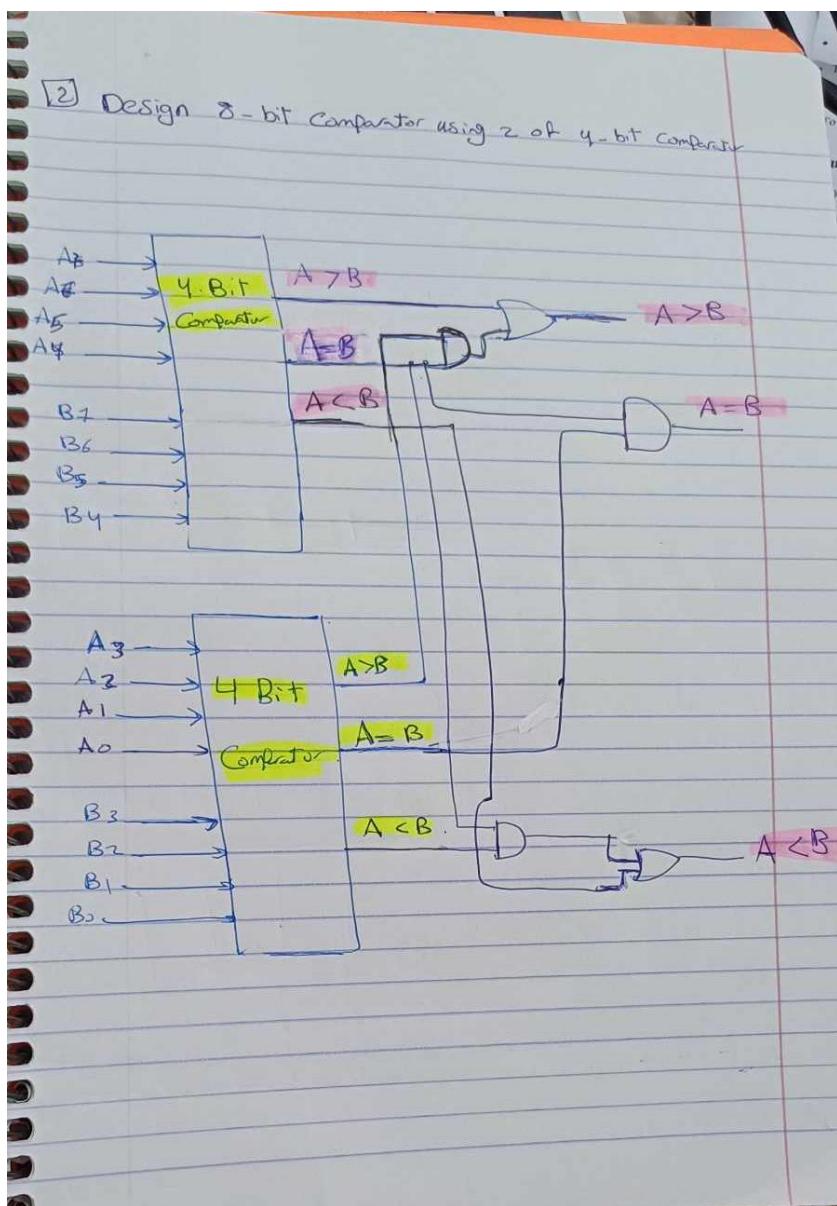
**Digital Electronics and Computer Organization**  
**Lab Experiment No. 2 - Comparators, Adders, and**  
**Subtractors**

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# QUESTION1



## QUESTION2:



### QUESTION3

③ A 4-input - 3 output circuit that compares 2 bit unsigned numbers and outputs a 1 on one of three output lines according to whether the first number is greater than, equal to, or less than the other number. You can only use two  $4 \times 1$  multiplexers.

