

GREEN UNIVERSITY OF BANGLADESH



Department of Computer Science & Engineering

CT-03

Course Code: EEE-203

Course Title: Electronic Devices and Circuits & Pulse Techniques

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Designation: Lecture

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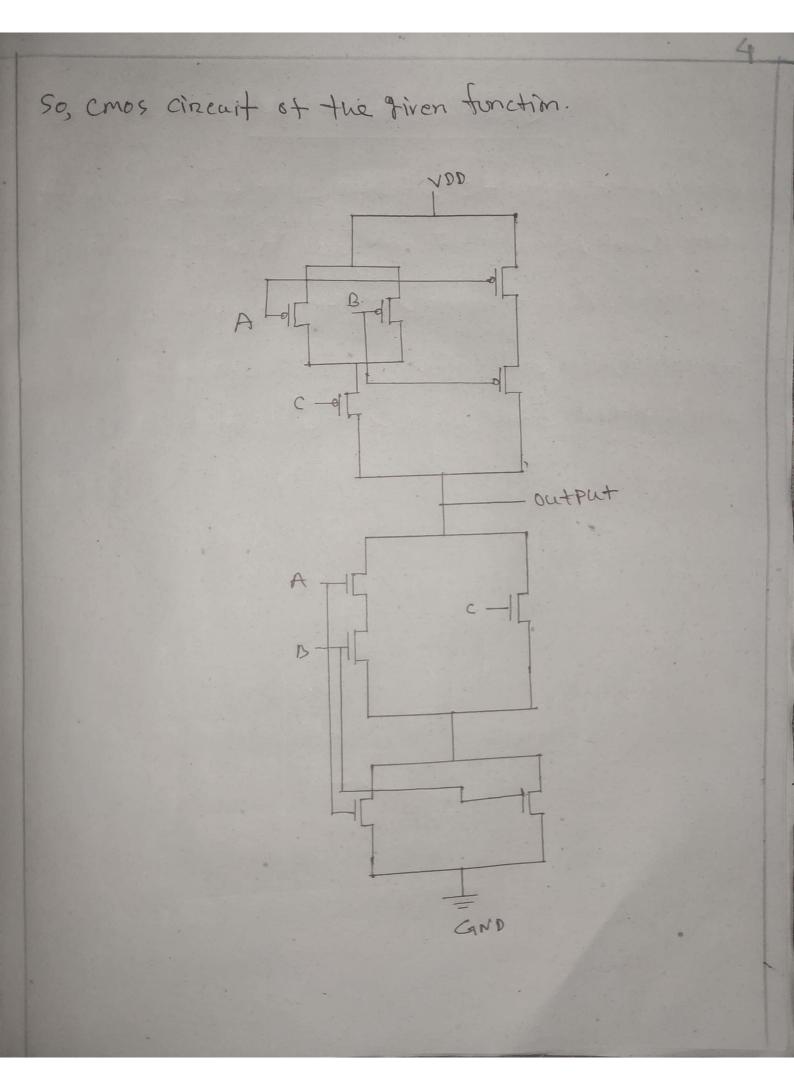
Remark

Ans to the Q.NO:]

In emos technology both N-type and P-type Transistore are used to design usie sunctions. The same Signal which turns on a transistore of one type is used to turn off a transistore of other type. this characteristic allows the design of home tates a collection of n-type MosfEtis is arranged in a pull-down network between the output and the low voltage powers supply kail pall up means setting close VDD. so pmos nor VDD os resource, maturally when input is Zero drzain. would be pulled up when output of zerzo pros tavans on, it will be pulled up or high. pull down means being output to Zerzo form one too. If input is me a for an inventere in emos, N transistare will be drive ue output to zero as pall down.

If pmos is used to pull down with somee. of Vss output will be at By and Similarly, NMOS lives vop min us one threshold as output if Source connected to VDD. Noise marsin's increase and leakage would increase.

Ans to the Q. NO: 02 Given, Y = AB+c. (A+B) Y = (A+B). E + AB rimos (pull down network) PMOS (Pall up network) AB+C. (A+13) (A+B). E+ AB GND GIND



Ans to the Q. NO:03

According to the question, It any of the signals is meen the train can to through the meen track otherwise not the characteristic matches with the or fate characteristics now, desiming cmos circuit for the train using Not and Nor tote.

