## CSESSI ASSIGNMENT 3

MAIRI ANIKA ISLAM

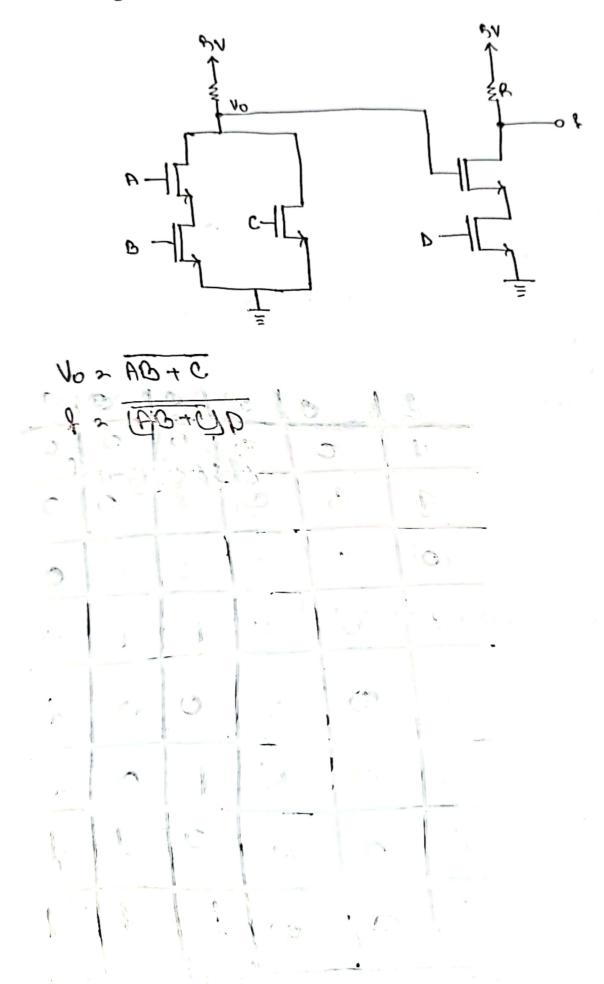
10:21101298

SECTION: 12

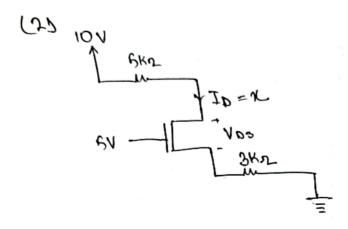
(a) Va = OV, 1002 AMA

(c) Let the moster be in saturation region.

182-1-17, 182-1-12







Let the moster be in the saturation region

N 31 448

Vks = Vk- Vs

> B - P(1.448)

2-1 X1 X

Vos 2 Vo - Vs

= (10- PM) - ON

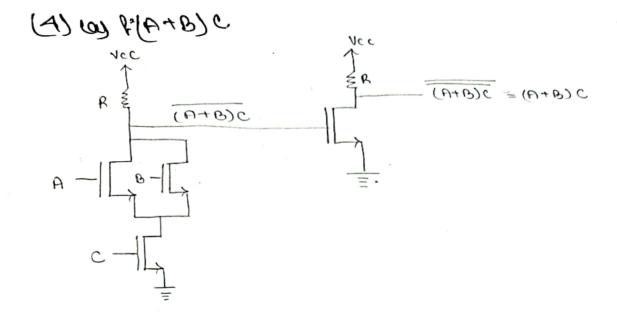
2 [10-B(1:48)] - B(1:48)

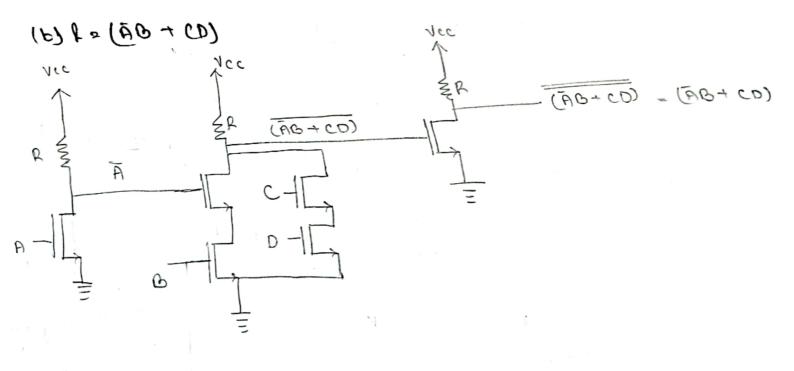
20-4.33 tr-1.33 X

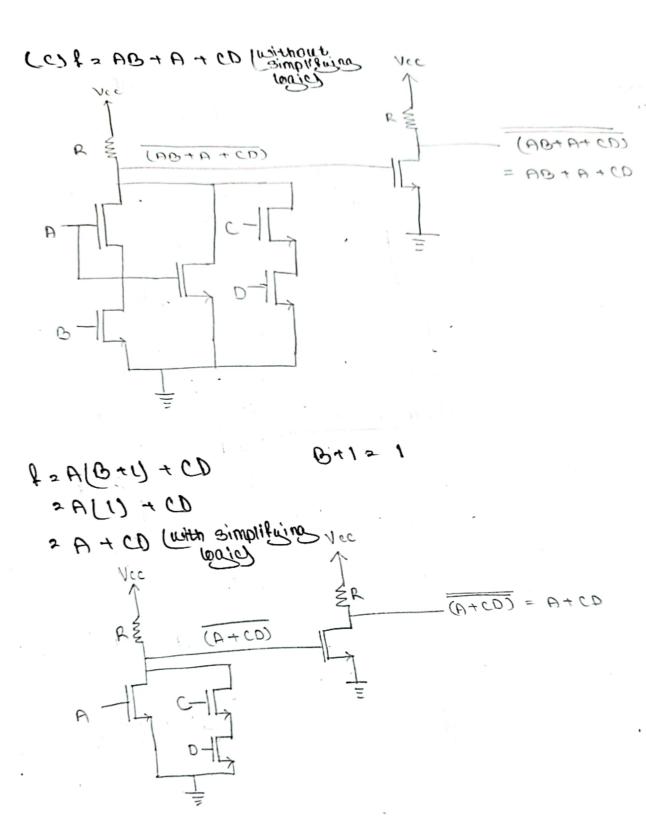
3 (10-2) - 3(1) 10-2) - 3(1) 3 2 - 3(1) 3 4 - 3(1) 10-2) - 3(1)

. The assumption is concet

$$\frac{V_{b}-10}{10\times10^{3}}+\frac{V_{b}-0}{10\times10^{3}}=0$$







Voc 11.

Voc 2 (Va - Vs) - V7 [Va & V7 remains same]

Voc doubles: , Us doubles ...

Vos 2 Up-Vs [No remains same]

Ups decreases the same amount as us doubles.

Io: TK (Troop

ID - THOOS

To a Irow

Thoops . It notes

ID 2 4

IONEW? A ID

changing voc has no off change on the process and of K.