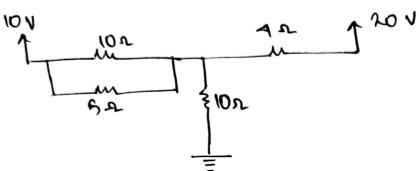
CSERSI ASSIGNMENT 1

NAME: ANIKA ISLAM

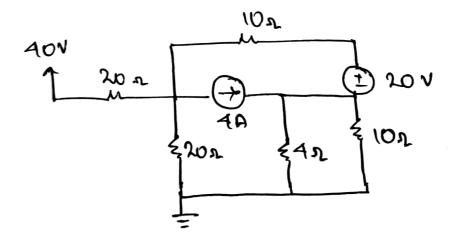
10:21101298

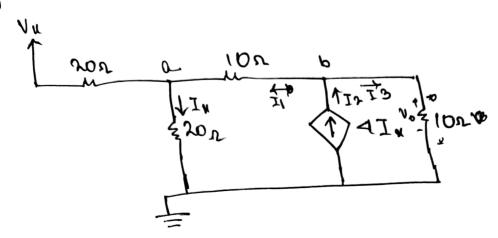
3ECT104: 12





(d)

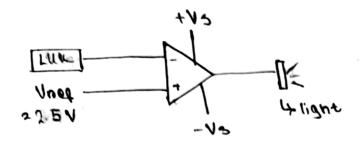




$$\frac{\sqrt{a-v_{\mu}}}{20} + \frac{\sqrt{a-v_{\mu}}}{20} + \frac{\sqrt{a-v_{\mu}}}{10} = 0$$

KCT Of b'

$$\frac{\sqrt{10-10}}{10} + AI_{4} + \frac{0-10}{10} = 0 \quad \left[I_{4} = \frac{\sqrt{20-0}}{20}\right]$$



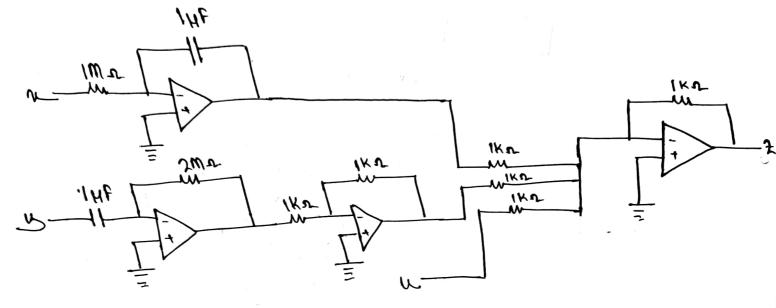
J. Com. poly to

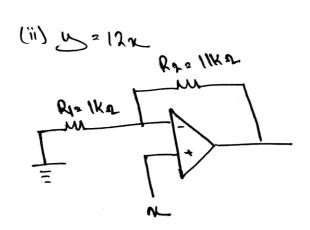
Voux 2 Vo1 + Vox + Vox
$$\frac{2 - RF}{Rin} V_1 = \frac{-RF}{Rin} V_n + \frac{-RF}{Rin} V_0$$
Voux 2 - $\frac{RF}{Rin} \left(V_1 + V_n + V_0 \right)$

All nesistors have some nesistance, Rrakin Vout 2 - Rin (U1+V2+V5)

Vout = - (U1+U2+U3) => Vout = - (1+2+1.6) => Vout = -4.64

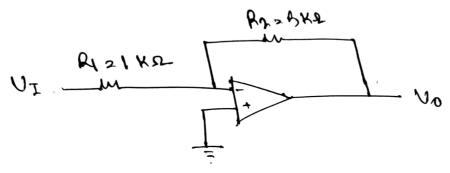
(C)(i) 2 =] x dt - 2 dus - 0





(A) (a) Vo: AVI

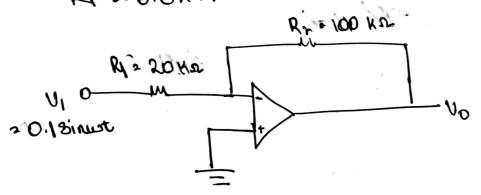
Ra 28, R12142



(B) I mak & BUA, Vin & Oil V Nout & - 8(01) 2 - 016V

$$\frac{N_{1}-0}{R_{1}} \approx 5$$

 $\frac{V_{7}-0}{R_{1}} = \frac{1}{2} \frac{0-100}{R_{1}} = \frac{1}{200} \frac{0-100}{R_{1}} = \frac{1}{200} \frac{0-100}{R_{1}} = \frac{1}{200} \frac{1}{200} = \frac{1}{200} =$



We need to change R & Rm to get the Vo with the same initial poin for the new vix

The second of the second

