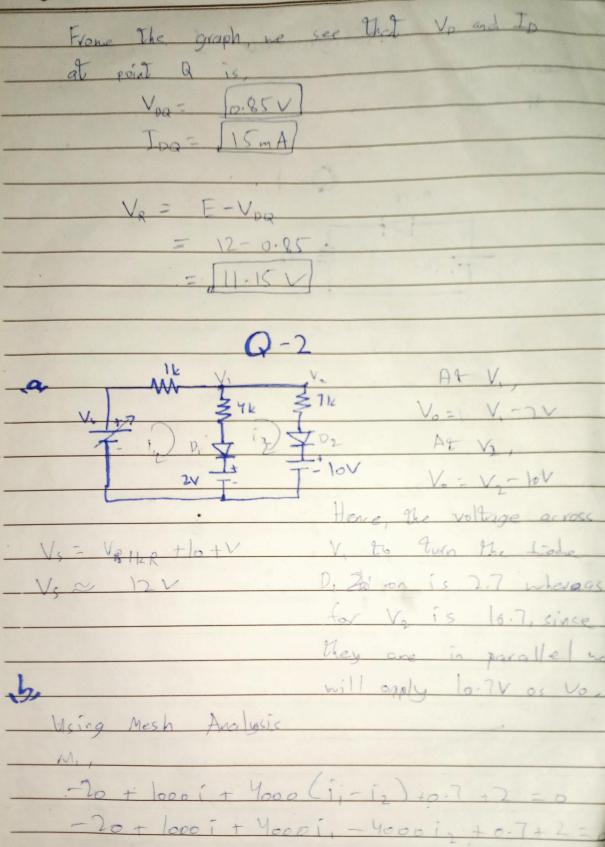
Assignment - 1
Name: - Aliyan Ahmed Cheena
Reg # FAZZ-BCE-028 (B)
P-10-
+ 0.75L \$ V
12V 0.75L \$ VR
Applying KVL,
$-E+V_0+V_R=0$
$V_D + I_DR = 12$
Vp + Ipx0.75 = 12
To draw load line, first me fit find In
when Vp = 0
0.75 Tp = 12 => Ip = 16 mA
when Ip=0
30 A (V) = 1) V
25
Da = 15mA
load line
VDQ =0.65V





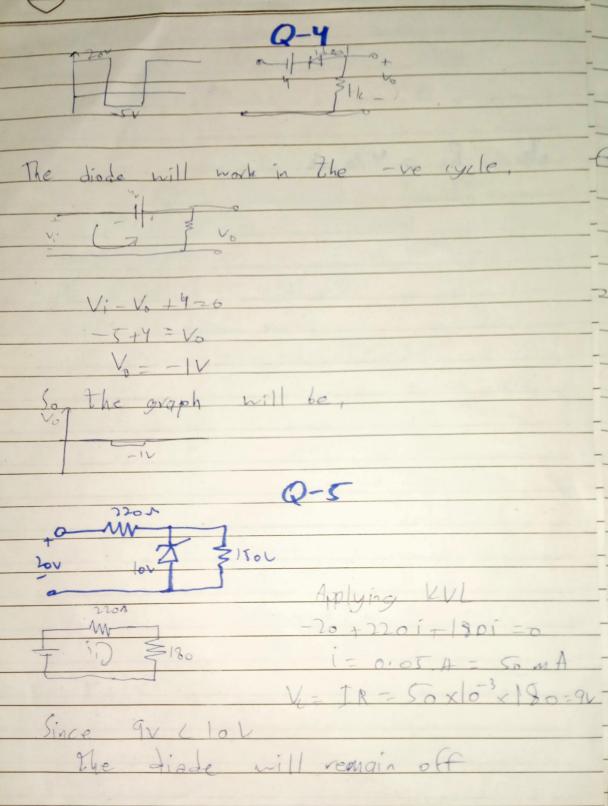


2000 j - 4000 12 -2 + 0.7 + 4000 (ig-12) + on 7000 iz + 6.7+10=0 -2-67 + 4000 12-40001, + 700012+0/1+10=0 -4000 in + 11000 is = -8 [,-1,= 3.3mA



⊕ kips.edu.pk Adding the resistance in paralle Voc = 0-636 x \$56.67 = 36.04 V Ans







Ip = 1800 in A 470 N = 13-6V The dia Eurn on 2202 470 %



(kips.edu.pk C) Re= > tox maximum pomer Find I: Fr = 400 x 10-3 = 40m A Imin = IR - ID = (45.45-40) mA = 5.45mA $R_{L} = V = 10 = [1834.91]$ $T = 5.45 \times 10^{-3}$ a Re= > minimum value Applying Voltage divider V = 10 = R(20) toki + 2200 Ri+220 lo Ri + 2200 = 20 Ri OR = 2200 R = 2201



