PHY 112 - Section-04

1D: 1910 1077

·5 6 A -01

a) Here,

P1=2200 & SL

P2 = 1100.52

R3 = 4400 SZ

P4 = 22002

 $\mathcal{E}_1 = 3V, \quad \mathcal{E}_2 = 7V$

Using KVL in LOOP]

- E1 - F1 R1 - (I1 - I2) R3 = 0

=> E1 - I1 R1 - I1 R3 + I2R3 = 0

=) EN 3-2200 II - 4400 B. I 1 + 120 0 I 2=0

. .. - Zi)

E1 P3 + - St 2 P4

- I2 Pz + I1 R2 - R2 F. - E 8

 $\frac{P_1}{P_2}$

Here, P2 and care