Physics 10 HU#8 24.10) a) (= 21180L C/L= 21180 C/L= 21180 C/L= 21180 C/L= 11180 C/L= 11180 C/L= 11180 24.40) K= 2.6 E= 2×107 U/m a) u= 2/6. E2 4= 3/20/0.82F.)2 9L= 1.46 ×10-10 F/n u= 3,09×10 3 3/m3 = 146 pF/m P) n= 0.120×10-, 2 U- ZCV2 b) C= J.8x10-10 F 3,6×10"F= 370N Q=1.41×10"C C= 4.5 U= = (20=) V2 15日から亡 U= 2(20 EA) VA c) inner q = -outr q V= 1/2 8. EAV

A= 200

A= 200

A= 200

A= 200

A= 200 24.11 )a) Q= J.10 n C Vas = 220.0V C= 14pF) U= EKC, V2 Co= 20 KV2 b) Vab = Ka (18-10) Co= 462 nF 220V = KQ ( 14(0.0470m) A=1.5>103 m2 7.89 (0.042m) 14 = 0.0420m - M 24.47) A=49.5~m2, 8=0.650nm 1,20.032m = 3.2cm a) (= 20 A () E = 1/18.0 PZ C= 20(76.15mm) E= 2.81 × 104 N/C 1C= 6.74×10-17F b) Co=0.674 pF C= 914pF 0,914pF= 20 = 3 24.26) U= 7.723 , d= 3 nm a)U= = Qu2, U= == ( - 20 A 49.5 mm 2 12 - 4.95 10 m U - 620 620E Up = 3,867 d=4.5×10-1 m=0.48mm b) Ut= 2CV2 = = (E. A)V2 0.17nm 12 -> 2Uf Uf = 15.44 J