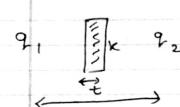
Electronstatics:-



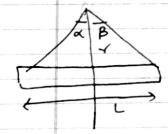
$$\frac{1}{1} = \frac{1}{4\pi \epsilon_0} = \frac{9 \times 10^3}{4\pi \epsilon_0}$$

$$\frac{\mathcal{E}_{0}}{\mathcal{E}_{0}} = \frac{\mathcal{E}_{0}}{\mathcal{E}_{0}} = \mathcal{E}_{0} = \mathcal{E}_{0}$$
 (dielectric constant)

Kmin=1 kmax = 00

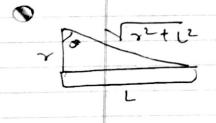






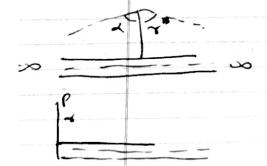
$$F_{x} = 0$$

$$F_{y} = \frac{9}{4\pi} \left(2 \sin \alpha \right)$$



$$F(x) = \frac{9\lambda}{4\pi\epsilon_0} \left(1 - \cos\beta\right)$$

$$F_3 = \frac{9\lambda}{4\pi\epsilon_0} \left[0 + \sin\alpha\right]$$



$$F(4) = \frac{92}{4\pi\epsilon_0}$$

$$F_{J} = \frac{92}{4\pi\epsilon_0}$$

$$\epsilon_{x} = \frac{\lambda}{4\pi\epsilon_0} (\sin \alpha_1 + \sin \alpha_2)$$

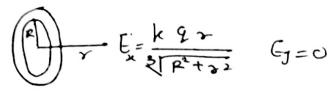
$$E_{J} = \frac{\lambda}{4\pi \epsilon_{0}} \left(\cos \varphi_{1} - \cos \varphi_{2} \right)$$



$$E_{J} = 0$$
 $E_{x} = \lambda$
 $2\pi \epsilon_{0} \epsilon$



$$E_{x} = E_{J} = \frac{\lambda}{4\pi E_{0}}$$



(5):
$$-0.7 = \frac{40}{9}$$
 i) $\frac{1}{7}/c = \frac{1}{10}$

$$\bar{E} = \frac{\int v_{\pi} \hat{q}}{2} \hat{q} - \frac{\partial v}{\partial r} \hat{q} - \frac{\partial v}{\partial r} \hat{q}$$

In side conductor E=0

1) Electric dipole
$$(-+0+)$$
 $\overline{p} = 9$ (2.4)

Eqxial =
$$\frac{1}{4\pi\epsilon_0} \frac{(2P)}{3}$$
 $E_{eq} = \frac{-kP}{3}$

(8)
$$W = PE(\omega, \omega, -(\omega, \omega_2))$$

