Charse density 20

PL=Q=6, D.ds=D,6ds

D,2rpl

$$D = \frac{2n}{2n}$$

$$\frac{2n}{2}$$

 $\frac{1}{\times} \frac{L}{\sqrt{\sqrt{L^2 + 1^2}}} \approx \frac{L}{\sqrt{\sqrt{L^2 + 1^2}}} = \frac{1}{\sqrt{L^2 + 1^2}}$

2) sherse density =
$$\infty_0$$

$$D = \frac{\sigma_0}{2}$$

Exct Answer
$$E_{z}(z) = \frac{\sigma_{0}}{\gamma \epsilon_{0}} + An^{1} \left[\frac{\omega^{2}}{4z}, \frac{1}{\sqrt{z^{2} + \frac{\omega^{2}}{2}}}\right]$$

$$D = \frac{\sigma}{\gamma} + An^{1} \left[\frac{\omega^{2}}{4z}, \frac{1}{\sqrt{z^{2} + \frac{\omega^{2}}{2}}}\right] \qquad \omega / \omega = 10$$

$$= \frac{\sigma}{\gamma} \left[1.56797\right]$$

$$\approx \sigma_{0} \cdot 0.9 = \frac{\sigma_{0}}{2}$$