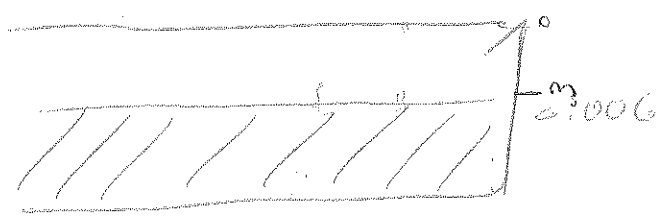
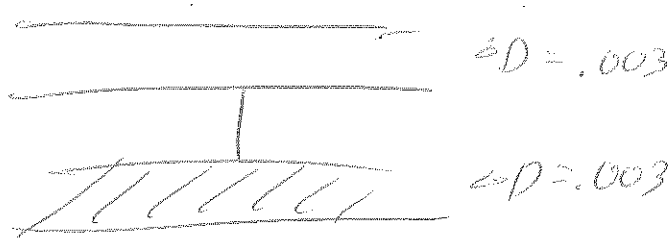
(10) $C = \frac{\varepsilon_0 A}{D} = \frac{\varepsilon_0 (.12m)^2}{(.003)} = 4.25 \times 10^{-11}$

$C_\chi = \frac{\chi \varepsilon_0 A}{D} = \frac{2 \varepsilon_0 (.12m)^2}{.003} = 8.496 \times 10^{-11}$

$C_{New} = \frac{1}{\frac{1}{4.25 \times 10^{-11}} + \frac{1}{8.496 \times 10^{-11}}}$

$= 2.83 \times 10^{-11} F$





* With Dielectric w/ ½ height, it acts like 2 .003m tall dielectrics in series *

$\boxed{A}$