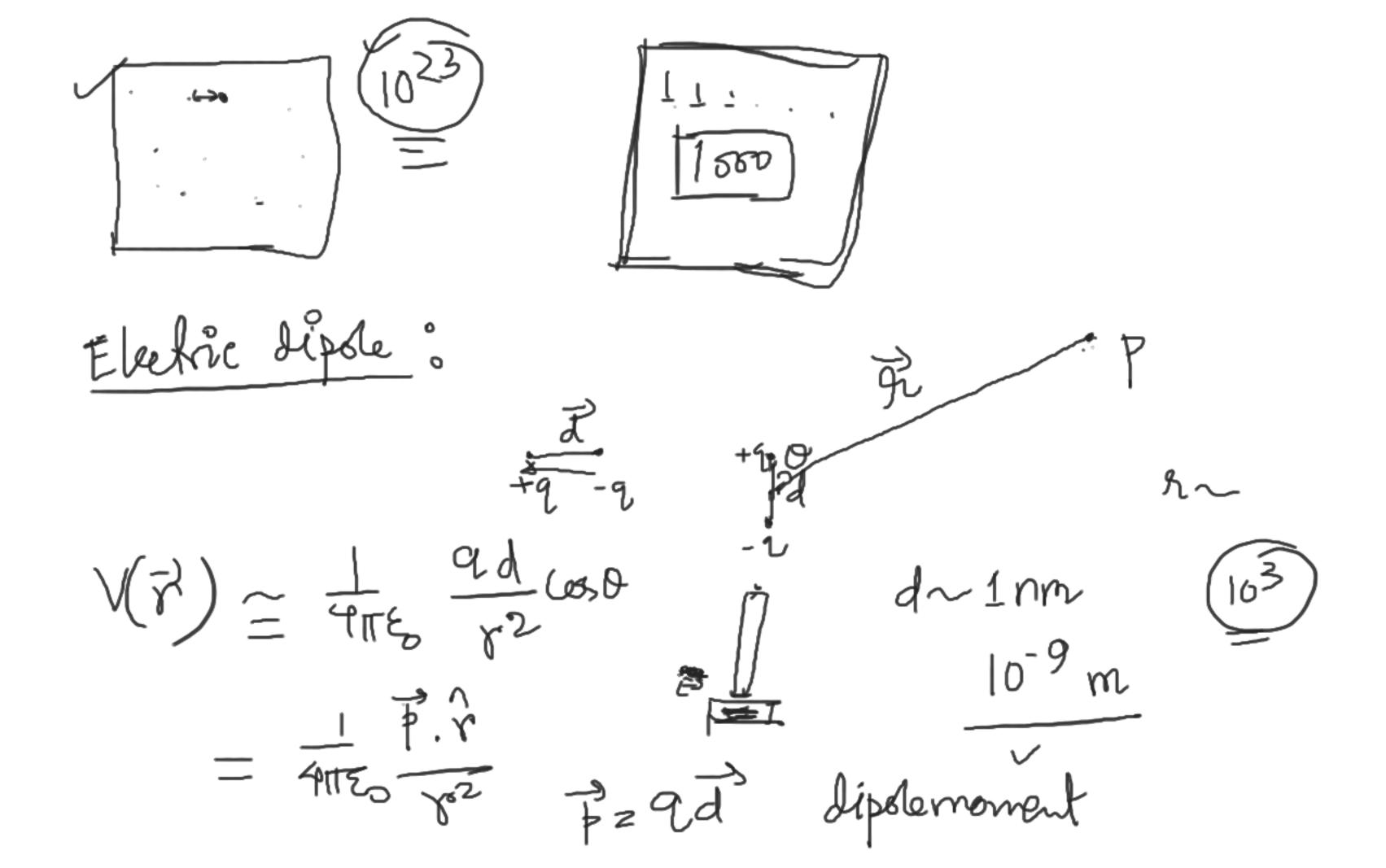
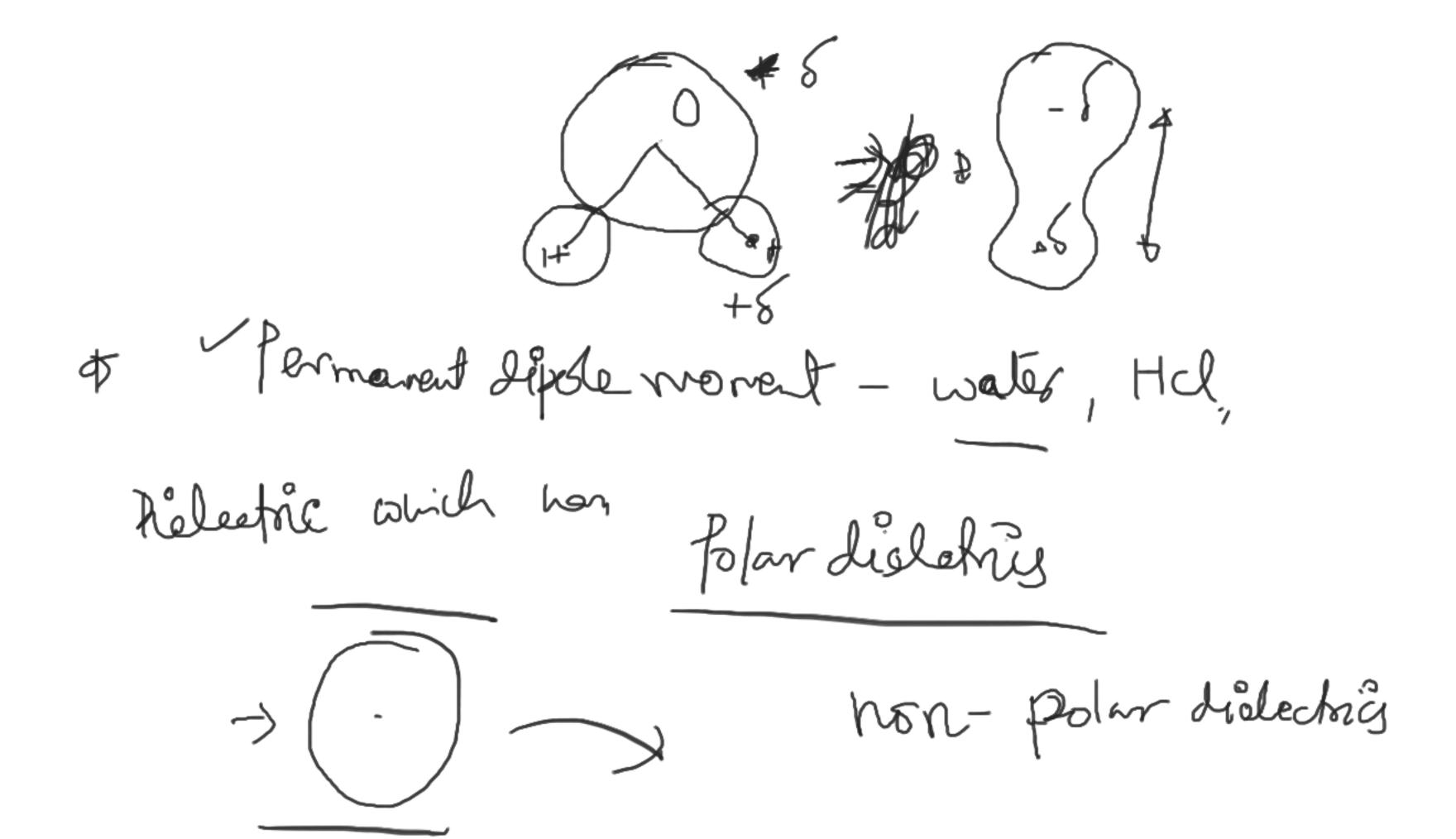
Date - 15703/2021 V P20 $\overline{\nabla}$. $\overline{\mathcal{V}} = 0$? ta A 8=0, E→ ∞/

Electric field interaction with notes. Insulators (Dialectrics) Conductors Free dechous

Tontes estimates ation of conductors, Insulators => Fre electrons





Induced depole non-polar déclassics blanzad Pipole moment (F) & E

F (F) & E

F = & E

atomic polarizibility.

uniform electric fiele Alignment 65 Polar molecules: $\vec{N} = (\vec{r}_{+} \times \vec{f}_{+}) + (\vec{r}_{-} \times \vec{f}_{-})$ = [= x(9E)] + [-] x(-9E) QUXE - PXE