

A dielectric is a substance which does not allow the flow of charges through it but permits them to exert electrostatic forces on one another.

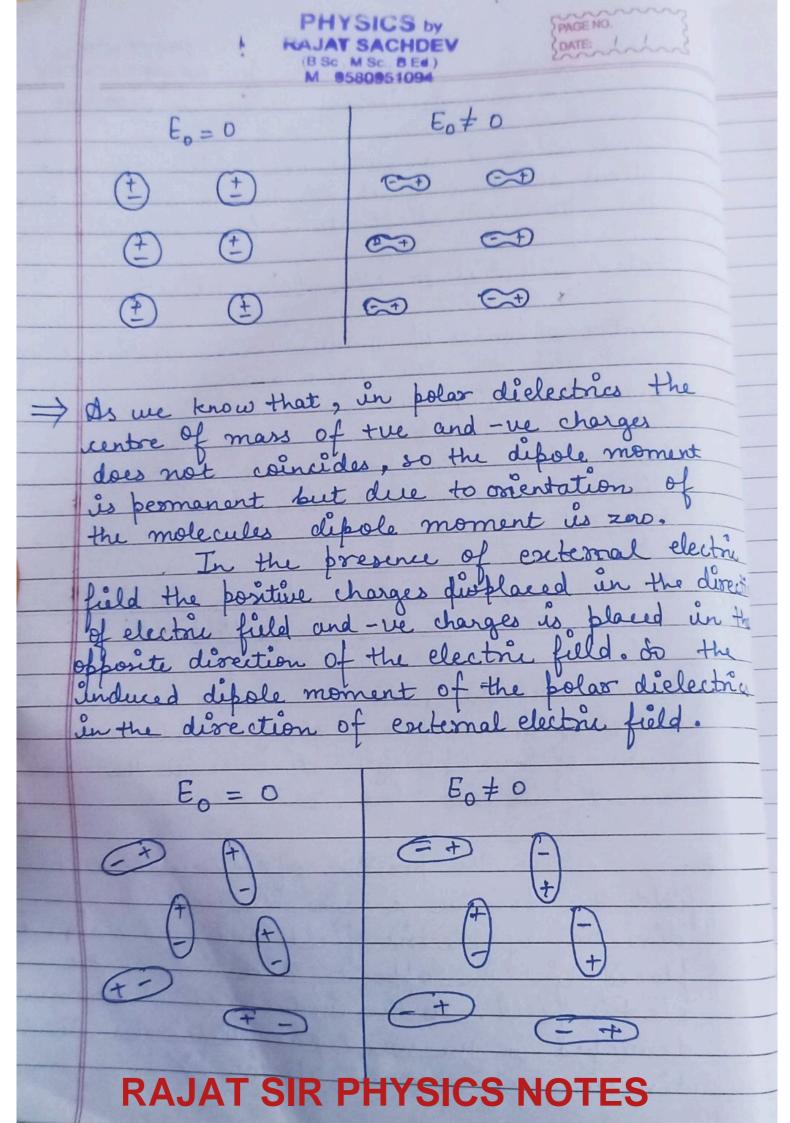
* Polar dielectries or Non-Polar dielectrics

Lentre of mass of positive and negative charge not lie on the same axis. E.g. Ha, H₂D, etc.

l'es on the same avis. 2.g. H2, CO2, etc.

- * Behaviour of Polar or and Non-Polar dielectric in the electric field
- De sue know that, in non-polar dielectrics the centre of mass of the charges and centre of mass of the charges coincides so the dipole moment is zero and. For

In the presence of external electric field the positive charges displaced in the placed in the opposite direction of the electre field. So the induced dipole moment developed in the non-polar dielectrics in the direction of enternal electric field.



Electric Polarisation (E)

The polarisation is the phenomenon in which polar and non-polar dielectrics developed in net dipole moment in the presence of external electric field.

Répole moment per unit volume is called électric Polarisation.

RAJAT SIR PHYSICS NOTES

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