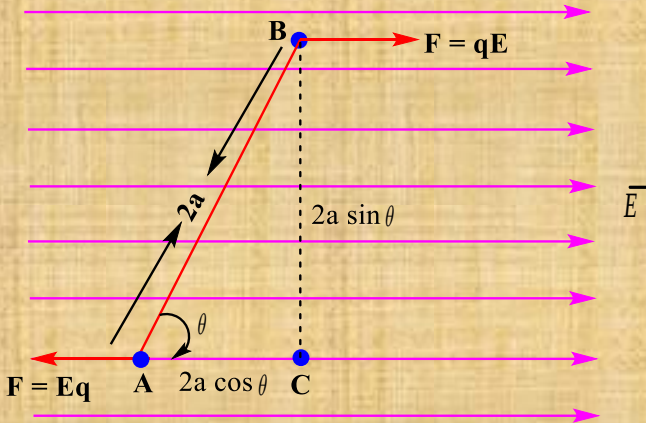


## Chapter 01

### ELECTRIC CHARGES AND FIELDS

Electric dipole in uniform electric field:



The magnitude of the torque is given by,  $\tau = PE \sin \theta$

In vector form,  $\tau = \vec{P} \times \vec{E}$

Maximum torque,  $\tau_{\max} = PE$