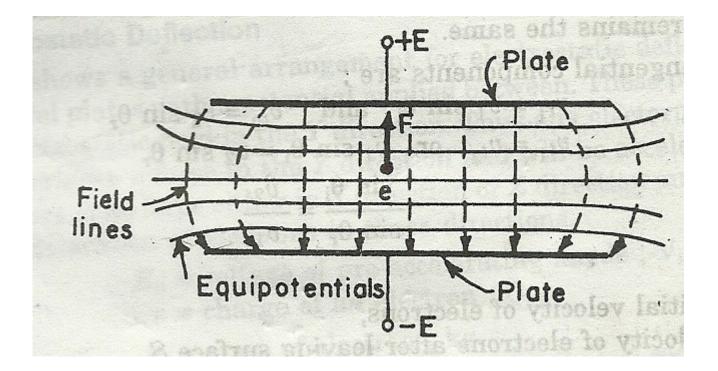
Glass envelope & Base

- THE WORKING PARTS ARE ENCLOSED IN AN GLASS ENVELOPE SO THAT THE EMITTED ELECTRONS ARE ABLE TO MOVE ABOUT FREELY FROM ONE END OF THE TUBE TO THE OTHER.
- BASE, THROUGH WHICH CONNECTIONS ARE MADE TO VARIOUS PARTS.

ASSIGNMENT

Q.DRAW BLOCK DIAGRAM OF CRT AND EXPLAIN IT IN BRIEF.

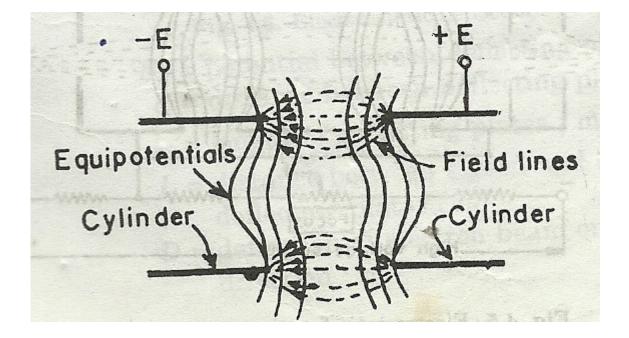


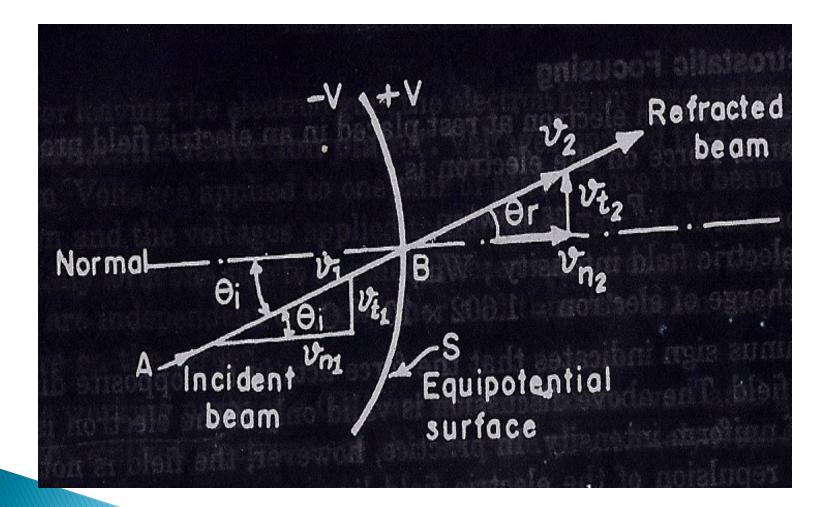
► F=-eE newton

Where e=charge on electron

E=electric field intensity;V/m

-It is valid only if the eletron is situated in a field of uniform intensity.





$$v_{t1} = v_1 \sin \theta_i$$
 and $v_{t2} = v_2 \sin \theta_r$
 $v_{t1} = v_{t2}$ or $v_1 \sin \theta_i = v_2 \sin \theta_r$
 $\sin \theta_i / \sin \theta_r = v_2 / v_1$

 v_1 =initial velocity of electrons, v_2 =velocity of electrons after leaving surface S, θ_i =angle of incidence, θ_r =angle of refraction.

Electrostatic focusing arrangement

