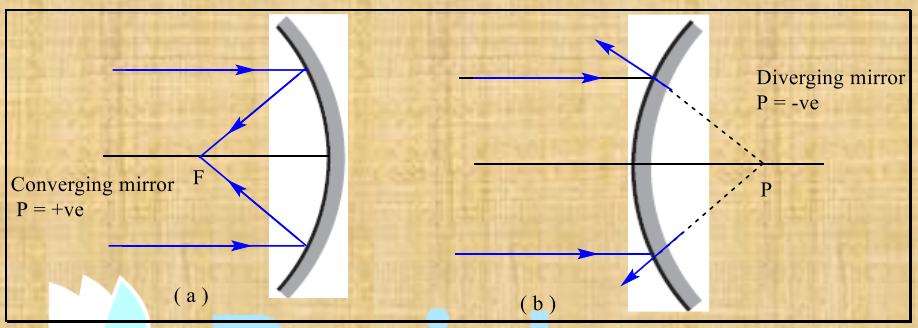
Brainbox learn easy

Chapter 10

REFLECTION AND REFRACTION

POWER OF CURVED MIRROR:

It is the ability of mirror to deviate the path rays incident on it. If the mirror converges the rays parallel to principal axis. Its power is said to be positive and if it diverges its power is said to be negative.



For a mirror,

Power $'P' = \frac{1}{f\,(\text{metre})}$ or $P = \frac{100}{f\,(\text{cm})}$

S.I unit of power is dioptre $(D) = m^{-1}$.

For concave mirror (converging mirror) P is positive and for convex mirror (diverging mirror) power is negative.