

# Ray Optics

## # Refraction

The phenomenon of change of path of light when it goes from one medium to another is called refraction.

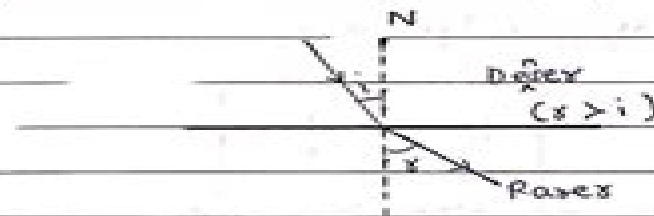
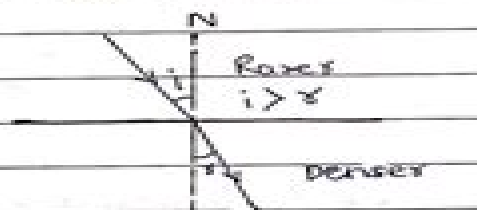
### • Laws of refraction -

- 1) The incident ray, the refracted ray and the normal to the reflecting surface at the point of incidence, all lie in the same plane.
- 2) The ratio of sine of the angle of incidence to the sine of the angle of refraction is constant for the two given media.

$$\text{i.e. } \frac{\sin i}{\sin r} = \mu_b$$

The constant  $\mu_b$  is called refractive index of medium b wrt medium a.

This law is also called Snell's law of refraction.



### NOTE:-

- 1) If light travels from rarer to denser medium, then it bends towards the normal.
- 2) If light travels from denser to rarer medium, then it bends away from the normal.

# Class 12 Physics Ray Optics Notes Expoll

**S Ashworth**



## **Class 12 Physics Ray Optics Notes Expoll:**

## **Class 12 Physics Ray Optics Notes Expoll** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Class 12 Physics Ray Optics Notes Expoll**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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