## Date:

## Refraction through a Prism

## Aim:

1. To study the variation of the angle of deviation (d) with an angle of incidence (i) and to find the angle of minimum deviation from the I-d curve.
2. To find the refractive index of the material of the prism


## Apparatus:

Glass Prism, Drawing board, Protractor, etc

## Theory:

The refractive index of the material of the prism

$$
n=\frac{\sin \frac{(A+B)}{2}}{\sin \frac{A}{2}}
$$

Where A is the angle of the prism and $D$ is the angle of minimum deviation. The angle of minimum deviation can be found from the I-d curve.

## Observations:



Result: Refractive index of the material of the Prism =

