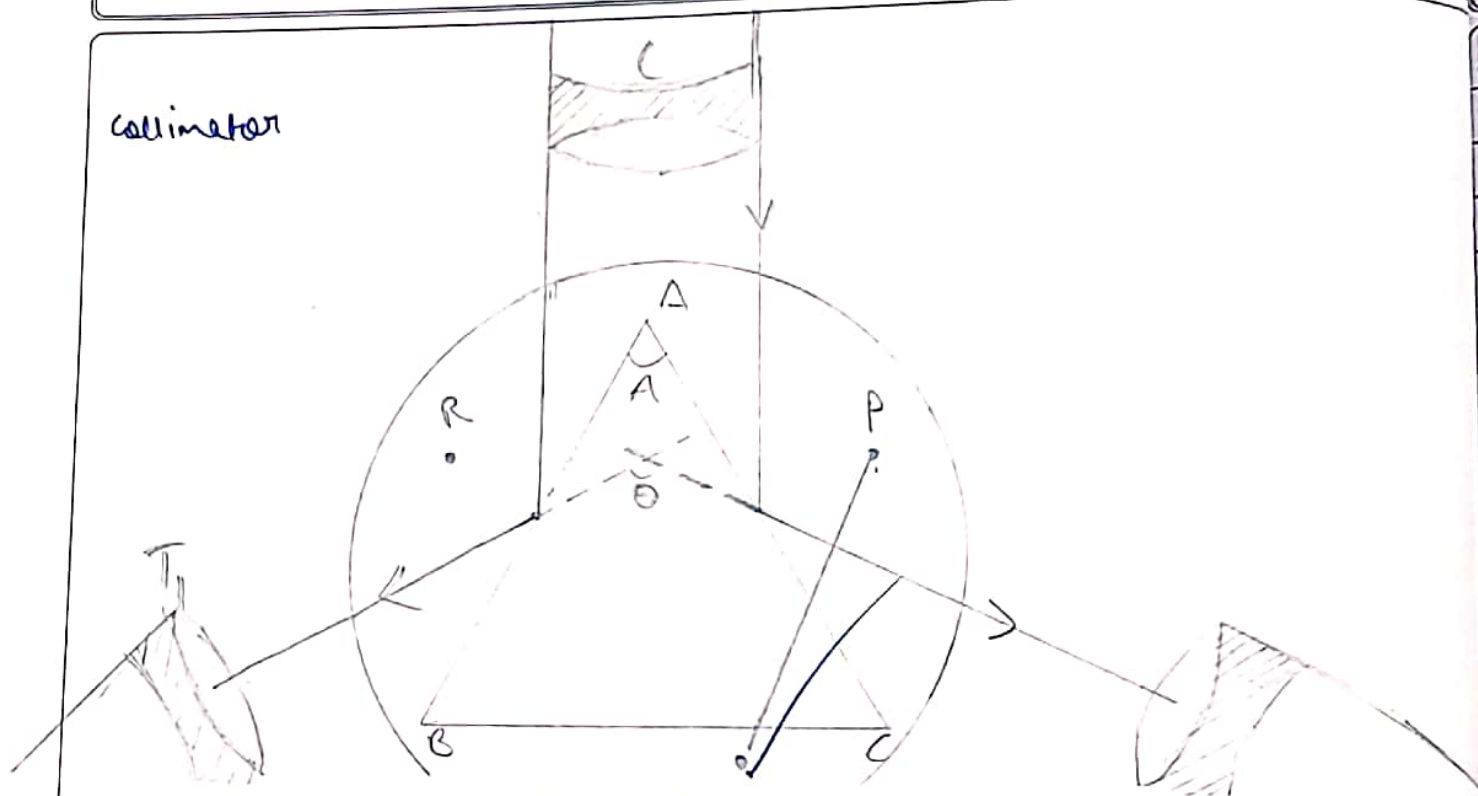


Expt. No.....

collimator



Ray diagram for Angle of Prism

Reading of reflected ray	Vernier A			Vernier B		
	MSR	VSR	Total	MSR	VSR	Total
Reading from AB	224°	3'	224°3'	44°30'	10'	44°40'
Reading from AC	113°	20'	113°20'	283°	26'	283°26'
Difference b/w both sides	111°		110°43'			121°14'

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Date. 22 July 2019

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Expt. No. 1

Integrated Optics

Aim - To determine the apex angle of the given prism using a spectrometer.

Apparatus - Spectrometer, spirit level, magnifying glass, glass prism, sodium vapour lamp.

Least count = $\frac{1'}{10}$

Mean θ = $115^\circ 18'$
 $\theta = 57^\circ 39'$

Result -

The apex angle of the given equilateral prism = $57^\circ 39'$

(10/10) Avg. B
22/7/19
[TABLE 0811]

Teacher's Signature :