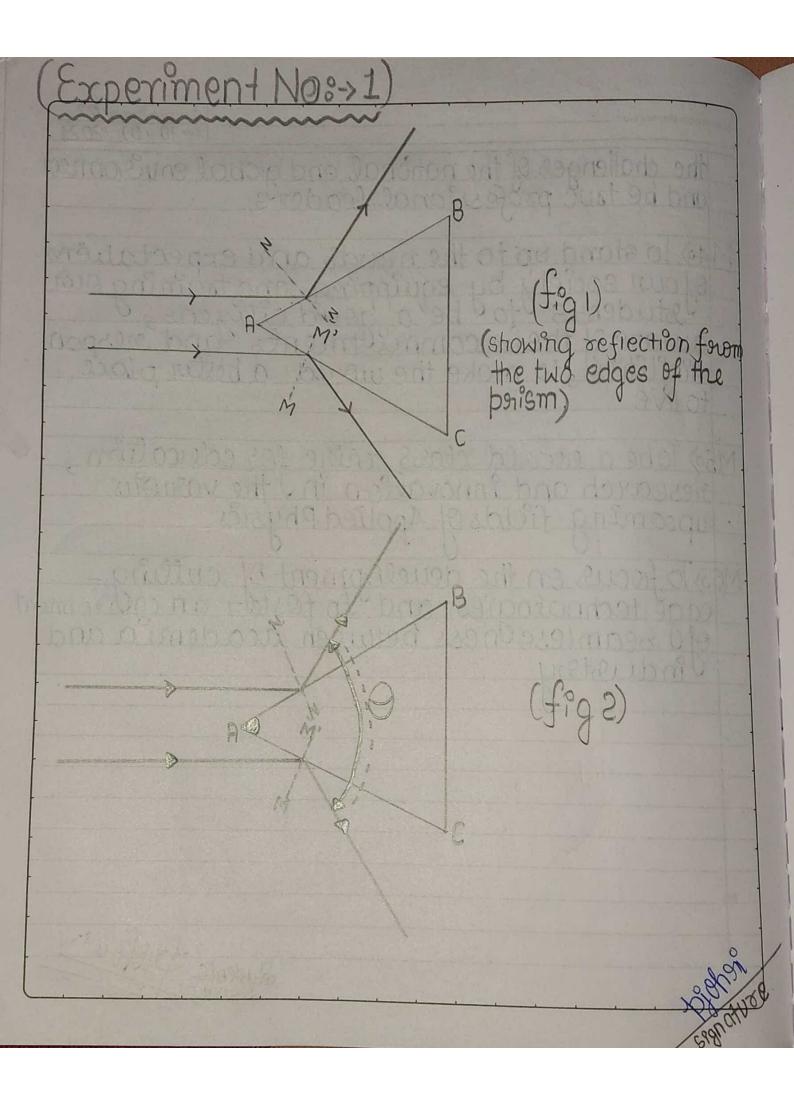
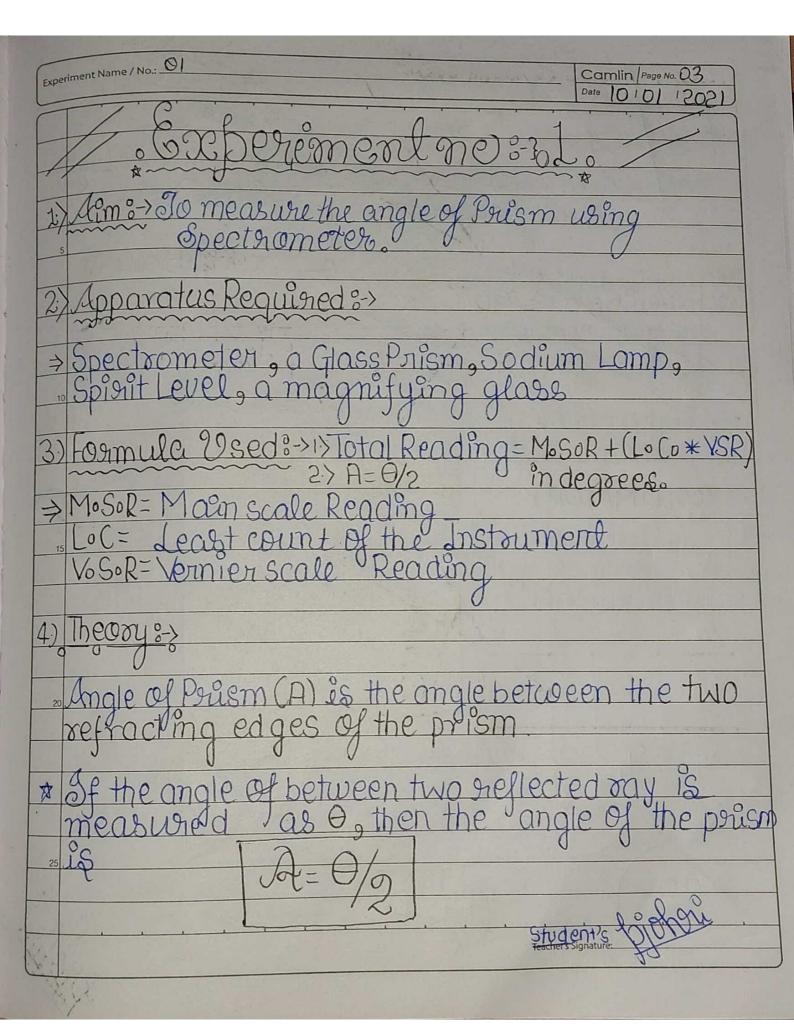
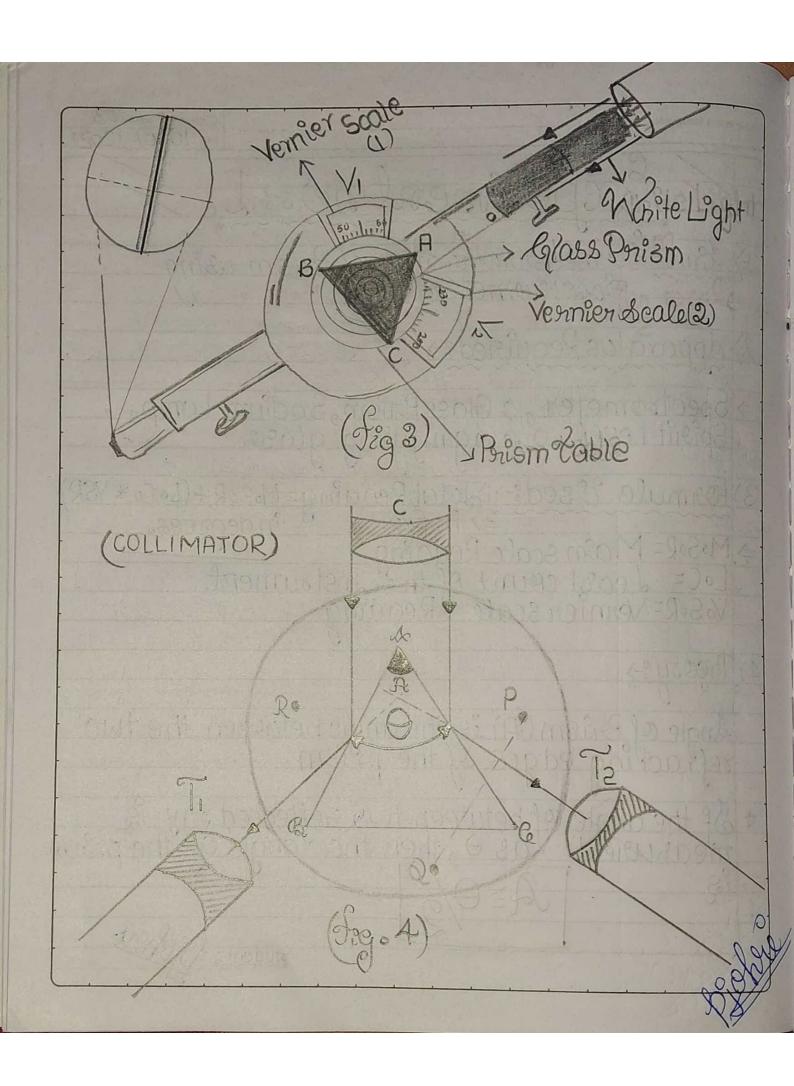
Khysics \* 2020 BATCH+ Camlin | Page No. 01 Vision\* anel\* Vision: > & Of Applied Physics \* Consolidating teaching and Tearning process covering all aspects of pure and applied physics promotes research and developmen to creation of new knowledge, inventions and discoveries fostering institute-industry linkages and entreprieneurial is betterment of all its stake holden at large .... 39 2) Mission 3> Mi:> To establish global and industry standards
of excellence by generating new knowledge
Om all the endeavours concerned to teaching g M23-> 10 develop closo bakages with students industry
to undertake collaborative projects so as to
enable young engineers 25 M38>To help own students in developing human potentials, intellectual interests, creature abilities and be life long learners to med students broken





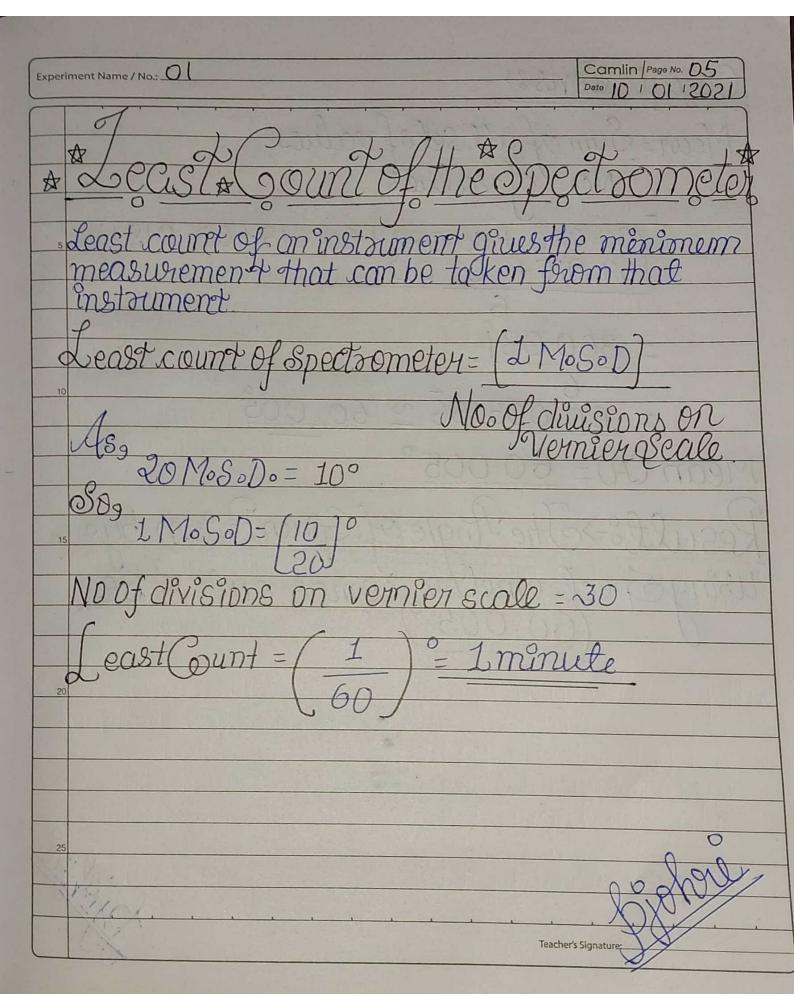


Camlin Page No. 04 Experiment Name / No.: 10 01 Spectrometen The spectrometer is us an instrument used for analyzing the spectra of radiations The white light is nendered parallel by a collimator consisting of a tube with a slit of adjustable other be focussed by adjusting the position of the sit until ne parallel beam of light from the collinator passes through a glass prism standing on a prism-table which can be rotated or lower and levelled & The brism eleviates the componer be should be set by Teacher's Signatu

Least count of the Spectrometer=(1)= 1 minute Observations:->
1) Rays of White light are parallel through collimates
2) Bending Angle of Prism should be 60;

## Observation Table :->

a No		No	Light reflected from side ABOf prism (in depend) Total=MSR (VSRXL-C)			Light reflected from Dif Side AC of prism bee Total = MSR+(LCXVSI) two Lim degrees)			Oifference petulen HWO positions (2A)	Angle of Prism App
	0		MSR	VSR	Total	MSR	VSR	Total	if is a si	idag anti
- /-	1	Vı	70	20	70.33	310	20	310.33	150.00	60.000
		V2	250	19	25031	, 130	9	130.15	150.16	60.083
		Vı	70	50	70.33	310	18	310.3	150.03	60.015
î	2	V2	250	19	25036	130	17	130.28	120.036	60.018
1.7	7	VI	70	10	70.16	310	20	310.33	119.83	59.915
	5	V2=	250	9	250.19	130	9	130-15	150.00	60.00
		1100							Sede Sold	20 Store



Calculations :> Meun = Sum of all set of realues
No of values (60.000 + 60.083 + 60.015 + 60.018 + 60.00 360.031 = 60.005166 \( \times \) 60.005 Mean (A) = 60.005° Results-> The Angle of Given Poison byo Using Spectsometer comes out 6 be (60.005)

(19)

Solvie

Camlin Page No. 06 Experiment Name / No.: 0 leasured realue-Escact realue × 200% Exact value ×100%