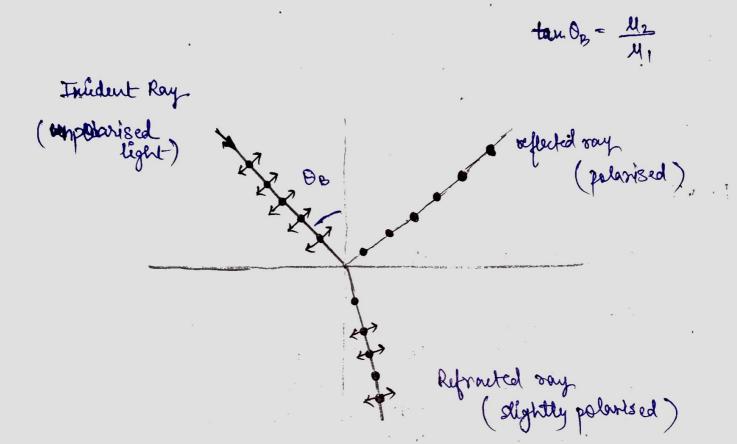
Date_	15/3/21 Expt. No. 8
Expt.	NameBreuster's Inu
	Experiment - 8
	Afing:
-	To verify Brewsfer's law and find the Brewsfer's angle for given material.
	Apparatus:
	Brewsfer's experiment setup;
	- Ouline Virtual Simulator.
	Theory:
	An ordinary light source lowists of a ray large number of randomly criented atomic enumeters.
	They radiate tolaresed wavetreins for relighty. I suchas:
	Though traine to form a series
	polarised wavetrain for not more than 10 8 seconds.
1	
	A light is said to be plane polarised light, if
	all the vestilities to the first the total the
	Couxdu as upolorised light incident on a particular
	surface. If ange of the soflected light will be completely plane
	This augh to called Boluster's angle to
	Ser David Brewster, in 1892 found that maximum polarization
	Marled Your Octors What
	Enidere very tan of the
_	
	Teacher's Signature:



S-No.	Inadeure Argle	Tape37	(100000 glav) (ul=1.52)	Plint glass (4-1-57)
1.	00	10-9945	10.4920	10-9936
2.	101	18.981	10.9734	10.9782
3.	15°	10 . 8391	10.9208	10.9332
\ \\ \.	20°	10.6032	10.7886	10.2195
5.	25~	10-1246	16.4953	10.561
÷ 6.	30°	9-2719	9.9219	10-0444
₹•	35°	7.9472	8-939	9.1385
8.	40°	6-1741	7.4743	7.7852
q,	45°	4-1734	5-603	5.9387
10.	Bo*	母2.3588	3.6073	3.9356
lt.	55°	1-2122	1.061	1.1385
12(1);	56·71°	. <del>-</del>	1.00	
(14n)	57-5°	<del>-</del>	2.5	1.000
12(11).	58-11"	1.000	. —	-
13.	.60°	1.0793	1.245	<b>M</b> 374
14.	- 65°	2.0020	2.4324	21735

DateExpt. No	
Expt. NamePage No	
rage no.	
Procedure:	
s select the law to be used in experiment.	
select the material to be used for experiment.	
of start the openment by changing the angle of incidence	
I peror of the observation for different angles of incedence.	
select the material to be used for experiment.  I start the experiment by changing the angle of incidence  or perood the observation for different angles of incidence  or Repeat the experiment for different materials.	
Runt:	
Breuster's angles for the following materials are:	
topay (4=1.607) = 58=11°,	
Granengean (4=1.52) = 56.71°.	
Crown gears (4=1.52) = 56.71°.  Flint glan (4=1.57) = 57.5°.	