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v = Beo /m = V/dB

e|m = V/(dH2x) = Vy/[dB2(L+e|2)]] fox c.ge sim B = H ...

elm = Yy/TdH2(L+2/2)2] where V = applied voltage;
d = seperation yw place;

H = intensity of field; y = total deflection of stat on state L = distance of screen from edge P and Q; l = leight of place H = He tand where He = earth's magnetic field

Teacher's Signature: ____

OBSERVATION TABLE:

d = 0.04m; L = 0.025 m; L = 0.14m; He = 3.45 x10-5 T

_	5L·	Voltage allow	Deflection	Position of Clerkon	Q R	Re	Deffortion Augle 0 (day)		Mag netic	6/m	Negn
	No.	(v)	y (m)	10d2 (CD)	(m)	(m)	Augle	0 (deg)	field H (X to (X 10
_	10	0		1							,
_	2	2	0,003	0.3	b.205	6.205	26		1.68 1105	1-39	
_	3	Ч	0.00%	0.6	0.172	0.172	45		3°45×10°5	1.32	1.58
_	4	Ь	0.009	0.9	0.150	0, 150	55		4.93 x10 ⁻⁵	1.46	1.30
	5	8	0.012	(.2	0.133	0.133	60	ţ	5.98 X 10-5	1-76	-
_	6	10	0.015	1.5	0.125	0.125	64		-5 01× FO·F	1.96	

Date 31/01/2019

tage	2ly Vs Vollage	ll and				
tage		Later.				
4	H2/y					
)	X10-8 -1-1 m					
	9. 468					
	19.8375					
	27.00					
	29-80					
	33.32					
slope de (L+e/2)						
	= 2.66 × 107	x 6.557 xm3				
	= 1.748 X 10	D' = 1.45 X (0"				
scussions						
axis of CR	T is adjusted stoll	itly along the negretic medician.				
ascillations	of the morne-tome	for nearly should be of small amplitude.				
The bar negrets doubt be next away during measurement of deflection of						
stoot of the	e screen is allost	rd to min orgible brightness buch.				
should be	taken to see that	up magnetir naterial & in the immediate 198				
		Teacher's Signature:				
G	CULATION CULATI	19.83=5 27.00 29.80 33.32 CULATION: From graph we get i. e/m = Vy di = 2.66 x10 ⁷ = 1.748 x10 = 1.748 x10 cacillations of the nagre-time bar negretic should be tell atol of the screen is adjust				