NAME PRIACTIC VERMA -la Noi- 19102165 Subject - Physics PHYSICS VLAB EXPERIMENT - 3 sample material 2 To calculate feal Coefficient and Carrier Cone-entration of Sample material. forey probe, Digital gaus meter, Hall RH = VHX+ mula Where, VH = Hall Voltage 1 - Hickness I = current - applied magnetic field. where n= number density of electrons e= charge of electron.

				(50x10)	Nay-Der on	
Abs.	convation o	_				
To	The state of the s					
Toual no.		Current		Mognetic field		
1		1		0.1482		
2		1.5		0.2223		
3		2		0.2964		
4		2.5		0.3706		
5		3		0.4447		
6		3.5		0.5188		
7		Ч		0.5929		
8		4.5		0.6670		
9		5		0.7411		
Table	2 0 -					
	2 0 -					
Revial	Magnetic	Tuickness	Hall (ma)	Hall	RH	Carr
	Magnetic field		Hall (ma)	Hall	RH	Couces
Revial No.	Magnetic field 0.1482	D'0001	Current		RH 6.019	Couce
Revial No.	Magnetic field D:1482_ 0.2223		Current 1	bleage		3.2X/
Revial No. 1 2 3	Magnetic. field D.1482 D.2223 D.2964	0.0001	Current	28.756 32.350 38.341	0.00	3-2×10
Revial No. 1 2 3	Magnetic field D:1482 0:2223 0:2964 0:3706	0.0007	Current 1	28.756 32.350	0.009	3.2x10 3.2x10 3.2x10 3.2x10 8.2x
Revial No. 1 2 3 4	Magnetic. field D.1482 D.2223 D.2964 D.3706 D.4447	0.0001 0.0003 0.0004 0.0005	1.5 2 2.5 3	28.756 32.350 38.341	0.019	3.2×10 3.2×10 3.2×10 8.2×10 3.2×10
Revial No. 1 2 3 4 5	1.2 0- Magnetic, field 0.1482 0.2223 0.2964 0.3700 0.4447 0.5188	0.0001 0.0003 0.0003 0.0005 0.0006	1.5 2 2.5 3 3.5	28.756 32.350 38.341 44.931 51.160 38.709	0.019	3.2×10 3.2×10 3.2×10 8.2×10 3.2×10 3.2×10
Recial No. 1 2 3 4 5 C 7	Magnetic field D:1482 D:2223 0:2964 0:3706 0:4447 0:5188 0:5929	0.0001 0.0002 0.0003 0.0004 0.0005 0.0004	2.5 2.5 3.5 4	88.756 32.350 38.341 44.931 51.160 58.709 65.727	0.009 0.019 0.019 0.019 0.019	3.2×1 3.2×1 3.2×1 3.2×1 3.2×1 3.2×1 3.2×1
Revial No. 1 2 3 4 5	1.2 0- Magnetic, field 0.1482 0.2223 0.2964 0.3700 0.4447 0.5188	0.0001 0.0003 0.0003 0.0005 0.0006	1.5 2 2.5 3 3.5	28.756 32.350 38.341 44.931 51.160 38.709	0.019	3.2×1 3.2×1 3.2×1 3.2×1 3.2×1 3.2×1 3.2×1

