Name: Yash Sarang
Seat no: 7128542
Roll no 3 47.
!!! [4.11] [4.12] [4.14] [4.14] [4.15
Class & DIAD.
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Subject & Engineering Physics I
Ségnature : Carangiash
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EP1, Jash Sarang, 7128542, 47-DIAD, Page no. 2/4 Given: Lx = 90°, Dn = 2.18mm = 2.18x10-1 cm Dn+m = 4.51mm = 4.51x10 cm λ = 5893 Å = 5.893 × 10 cm Formula: Dn2+m2 - Dn2 = 4m2R Solution: [Dn2+m2 - Dn2] = 4m2R $\frac{(4.51)^2 - (3.18)^2 = 4 \times 10 \times 5.893 \times 10^{-3} \times 90}{10}$ 0.2034 - 0.0475 = 212.14 x10-3 4 x 0.1559 = 212.14 x10-3 ey = 212.14 = 1.360 ° 4 = 1.36. Is The refrective Index of the liquid is 1.36.

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92. c. →		
	Given: $n_e = 2.5 \times 10^{24} / m^3$, $B = 0.5 \text{ Wb/m}^2$, $J = 500 \text{ A/m}^2$, $\omega = 4 \text{mm} = 4 \times 10^{-3} \text{m}$.	
	Formula: VH = BTd nexe	<u>)</u>
	Solution: VH = BJd. Nexe	
	$= 0.5 \times 500 \times 4 \times 10^{-3}$ $25 \times 10^{21} \times 1.6 \times 10^{-19}$ $0.5 \times V_{H} = 2.5 \text{ mV}$	
	os VH = alsmv	
	Conclusion: The effective Hall voltage is 25mV.	0
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Josh Sorag, 7128542, 47-DIAD, Page no. 4/4 wavelength travels in the same direction, they for a wave group or waveler wave packet. Schrödinger postulated that a wavepacket wavegroup presents a particle. A wavegroup wavepacket consists a group of harmonic waves, each having slightly different wavelengths. The suppresposition of these harmonic waves differing slightly in frequency will module a single wave group. Although the particle is equivalent to a wavegroup/packet. Although the particle is somewhere within the wavepacket, it is difficult to locate the exact wavepacket, it is difficult to locate position of microparticle. This is an uncertainity Ax linear spread of wavepacket) in the position of particle As a result, the momentum of the particle at that instant cannot be determined precisely. This is an uncertainty in the determination of momentum (AP) of the particle so The position and momentum of a microparticle in a wavegroup cannot be determined simultaneously with acuracy.

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