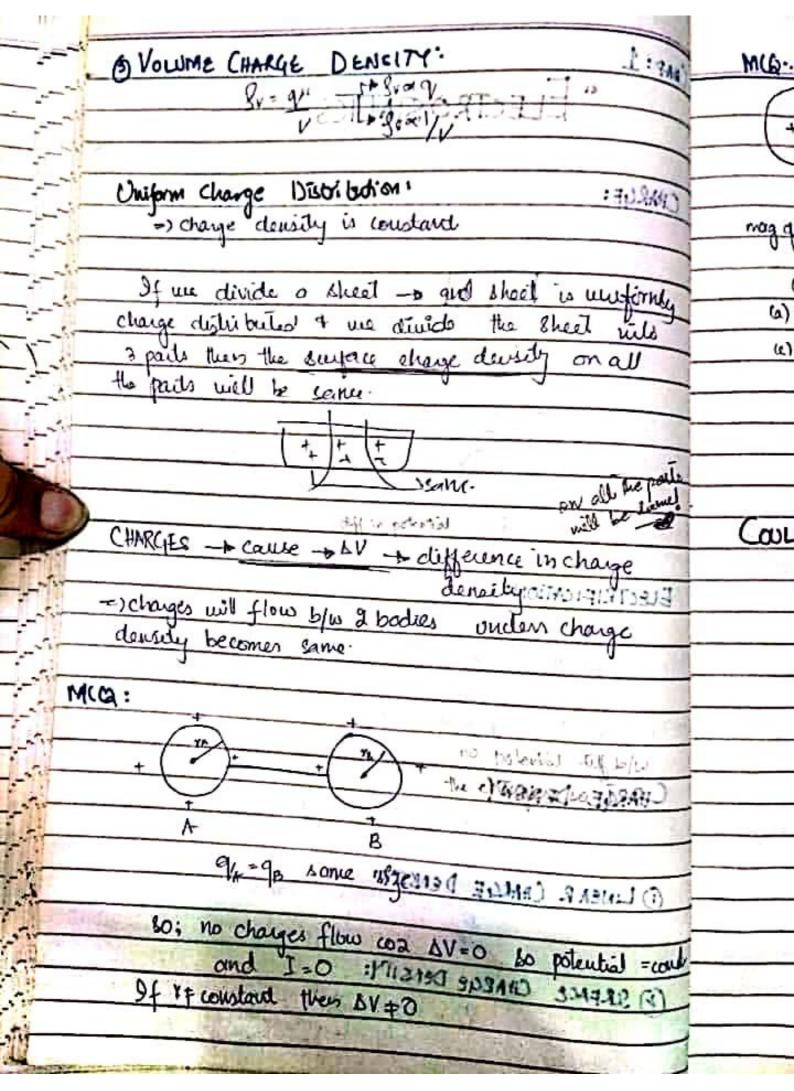
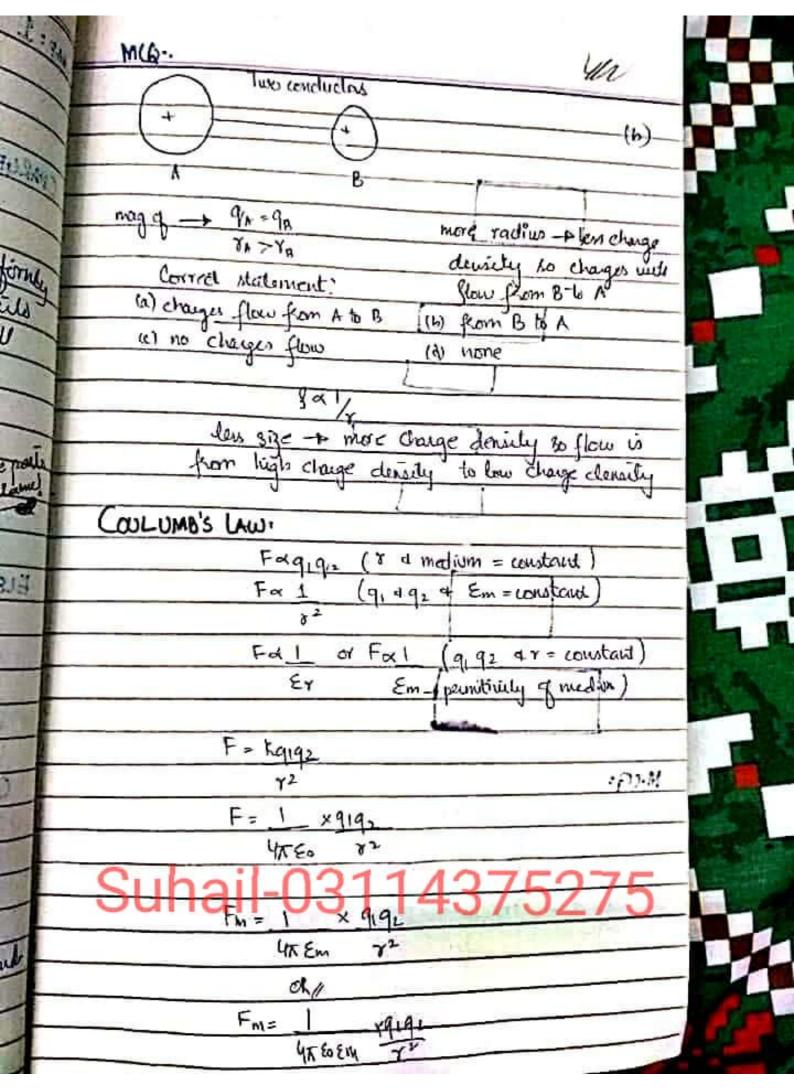
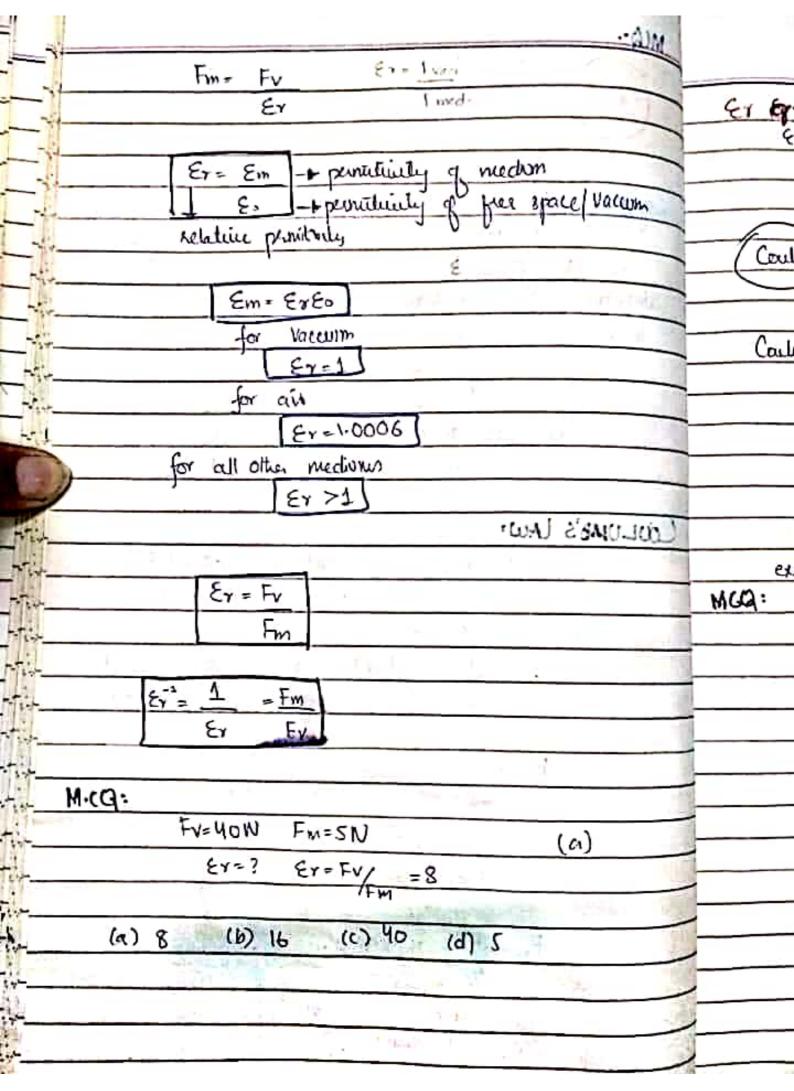


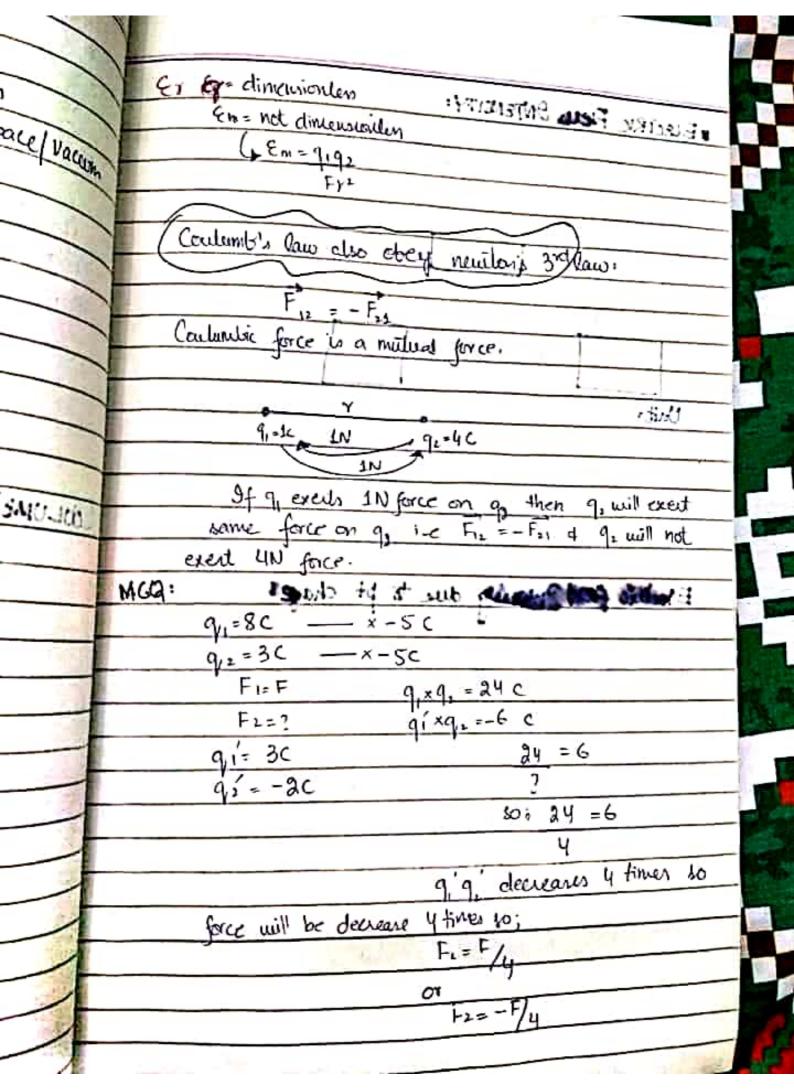
CHAP: 1	S Volume Charge Dencity:
"FIFC	TROSTATICS"
FLEC	THE STATE ICS
CHARGE:	Uniform Charge Disor advas
=> property which	h produced Electric field
=7 his is consen	red a quantized
1 q =	Le smallest change in native
e - 1.6×10	-19c smallest charge in value
e-1.6×10	
+400	Not closed moduled is always
0 3 3 5 50	Net change produced is always
()-12 zeroi-2 conserved +4e-4e-0e-
100	colev (lah.
ELECTRIFICATION:	
=> mocen of chau	ging of bodies
O=> By conduction -+	ging of bodies phyrical contact is used
(0=) By Induction -+ &	ust field interaction.
CHARGE DENSITY:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Chang	ges per virul dimension (1 1 A 7V)
1 LINEAR CHARGE	= 81 - L+ 30 ast
10	= 9/2 - 38 × 1/2
	X
(2) SURFACE CHARGE	DENSITY:
3,	- 9/ - 1/A
	20-70

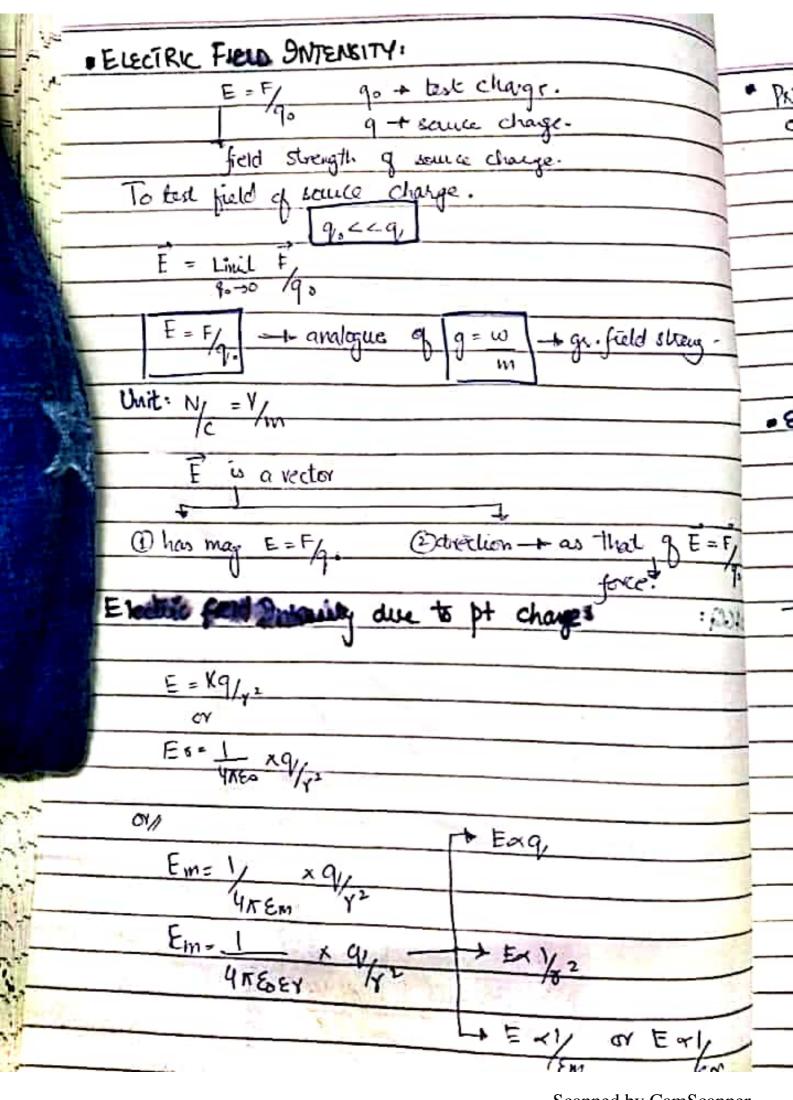




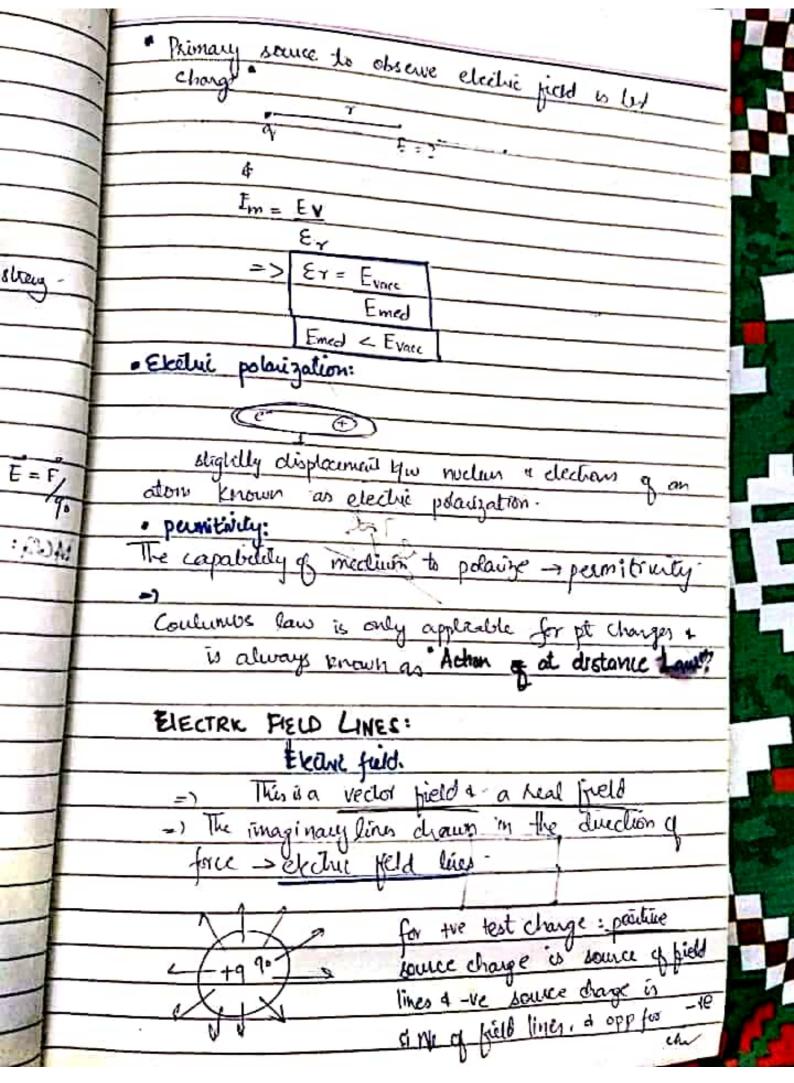
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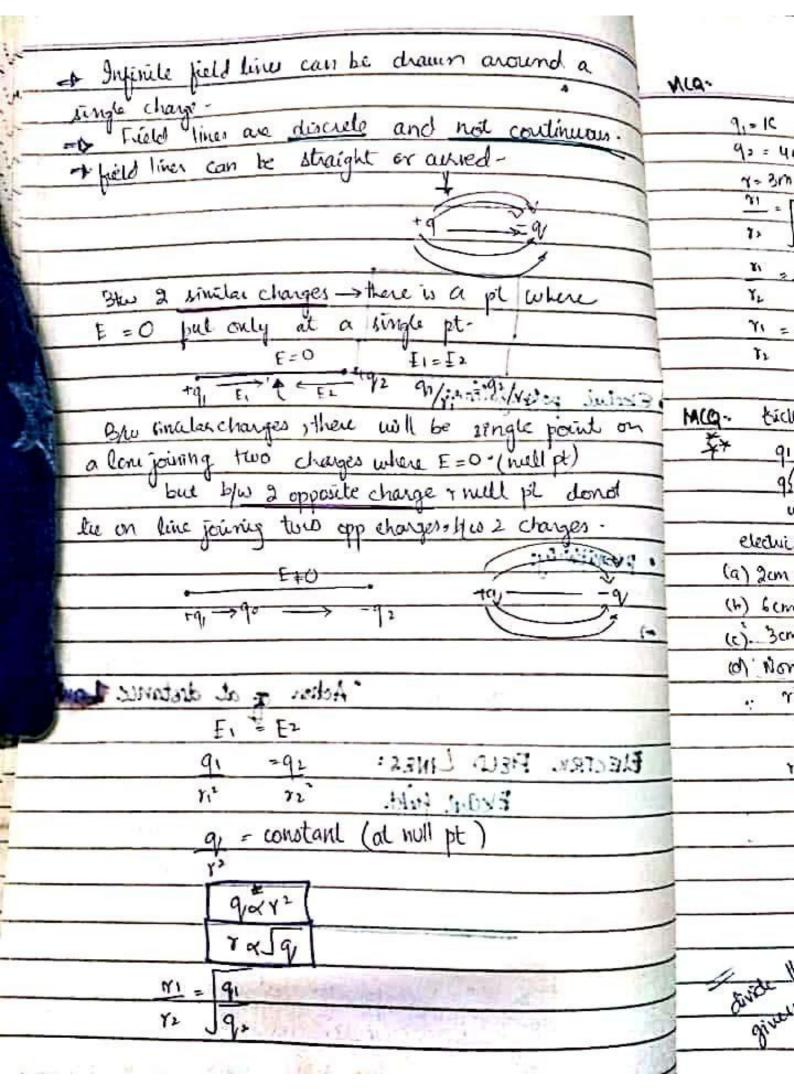


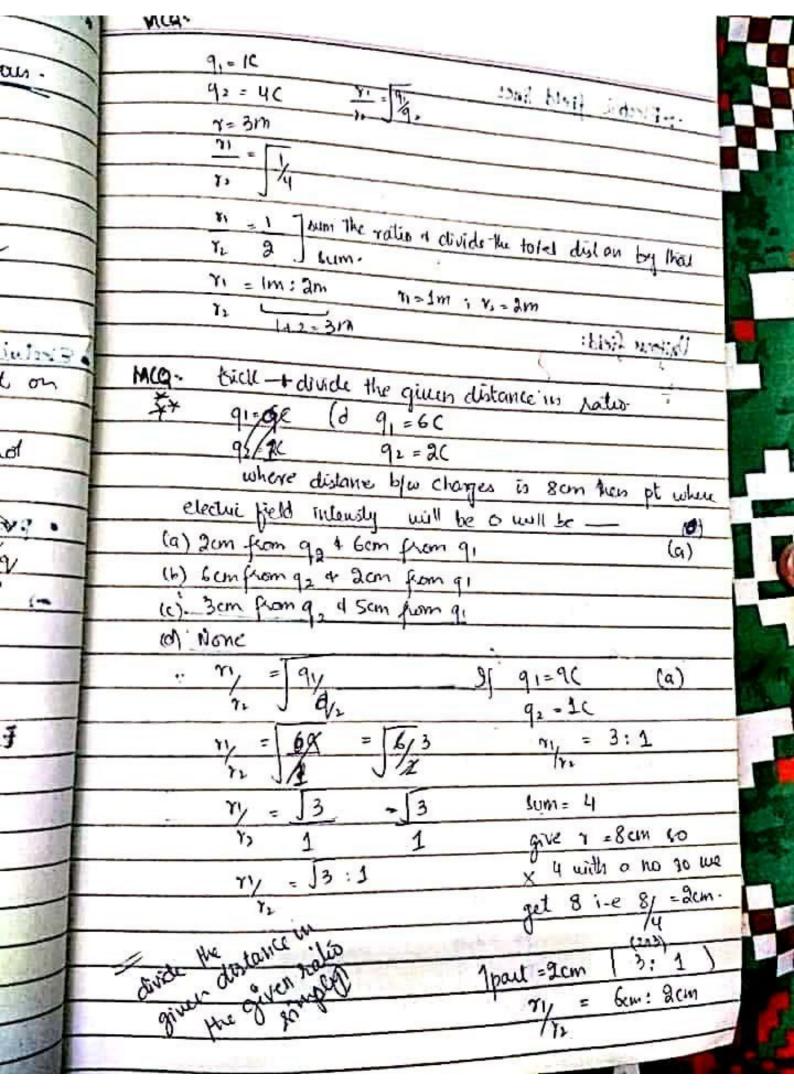


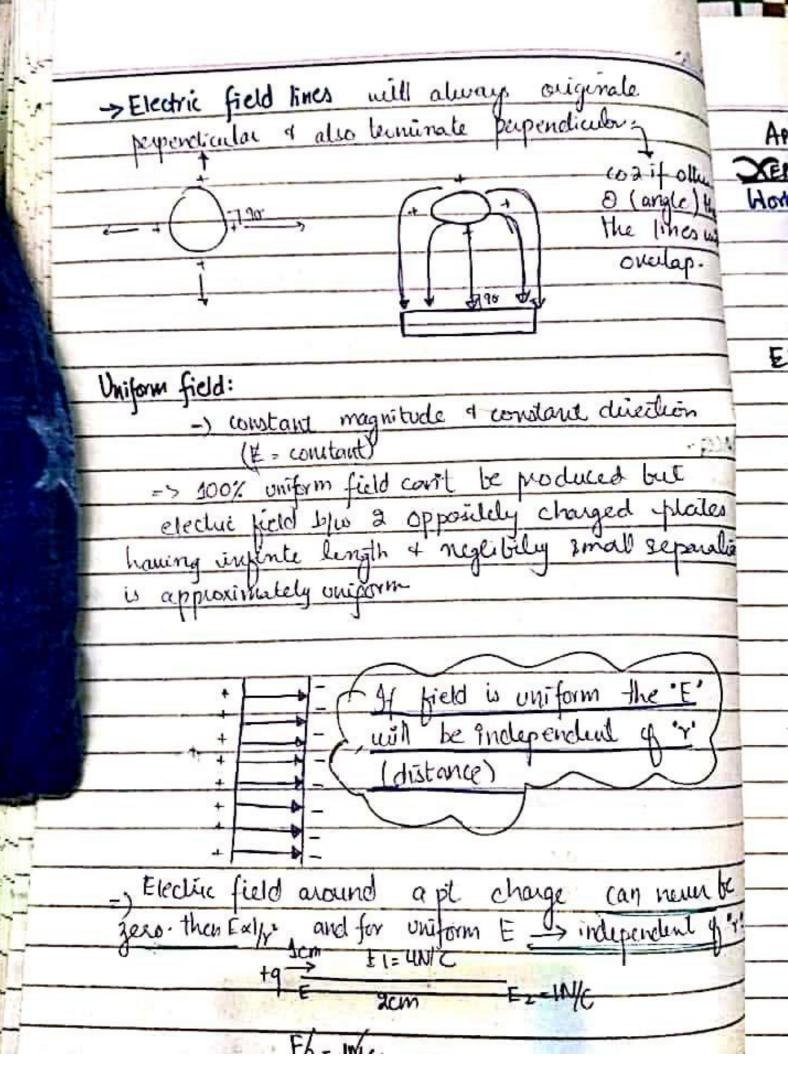


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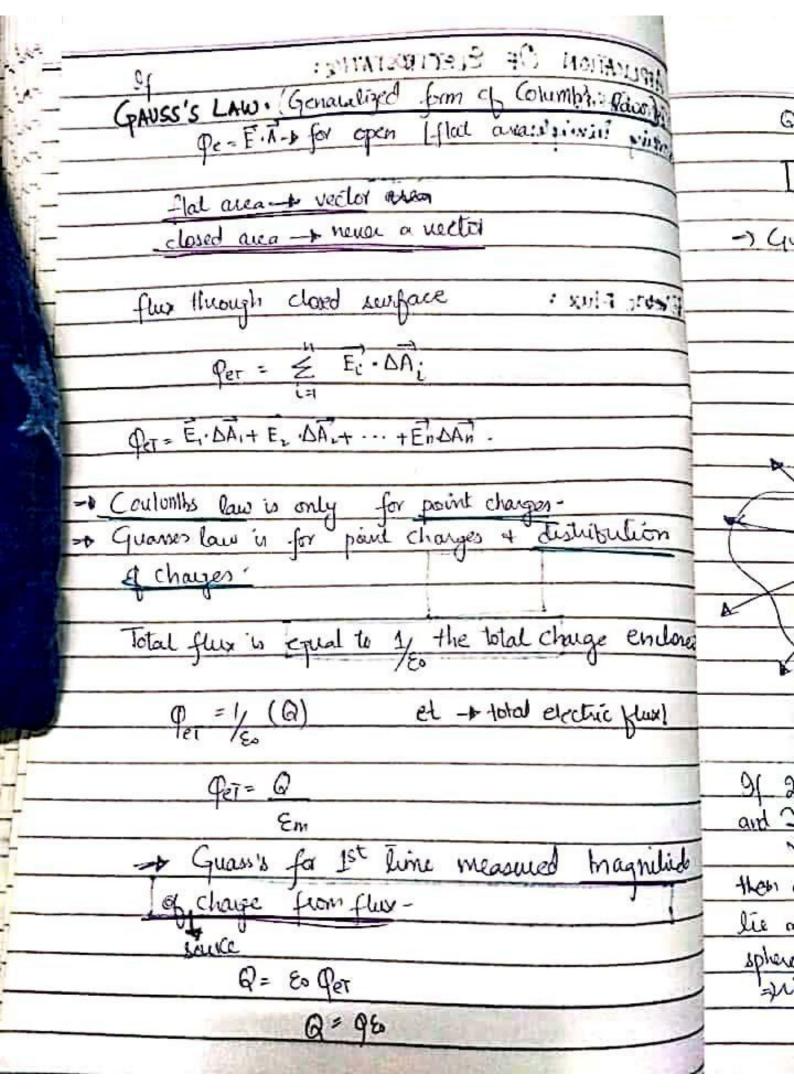


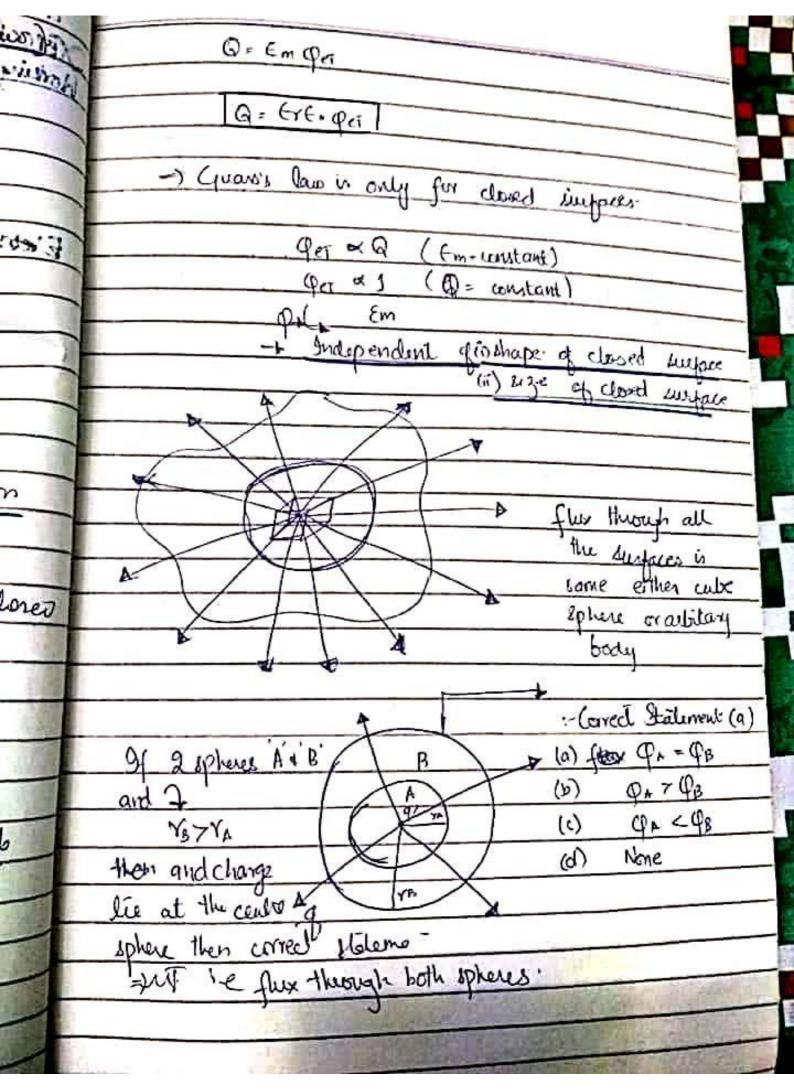




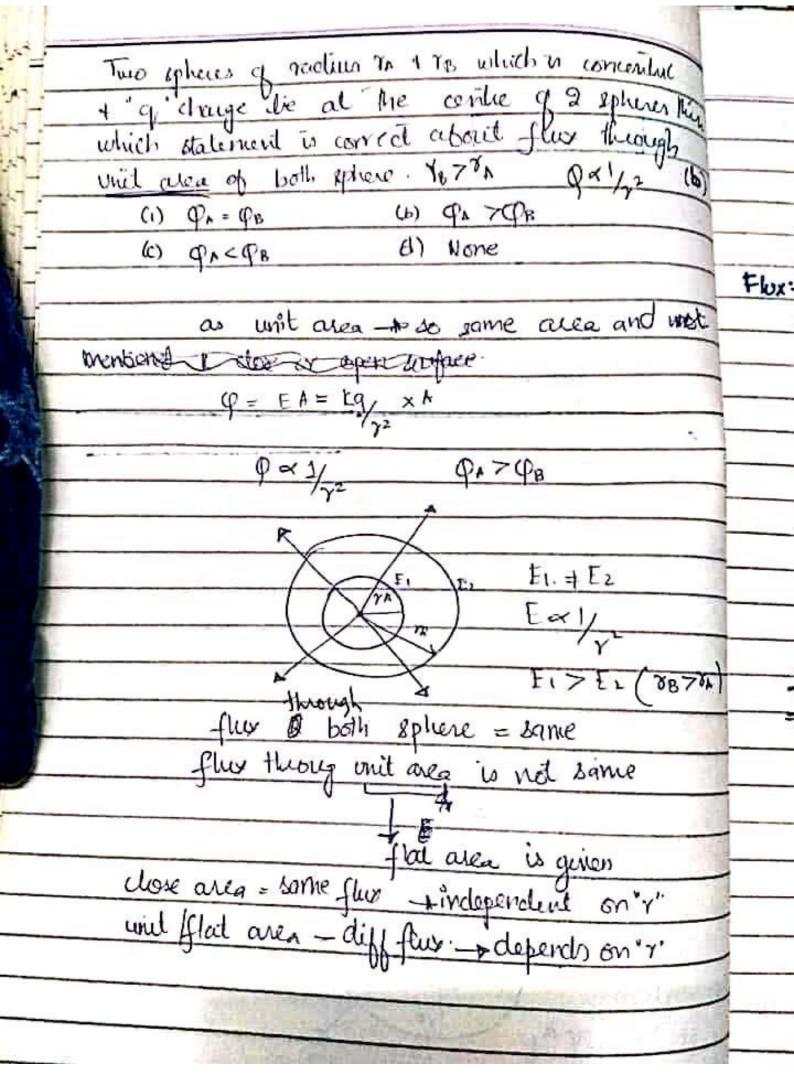


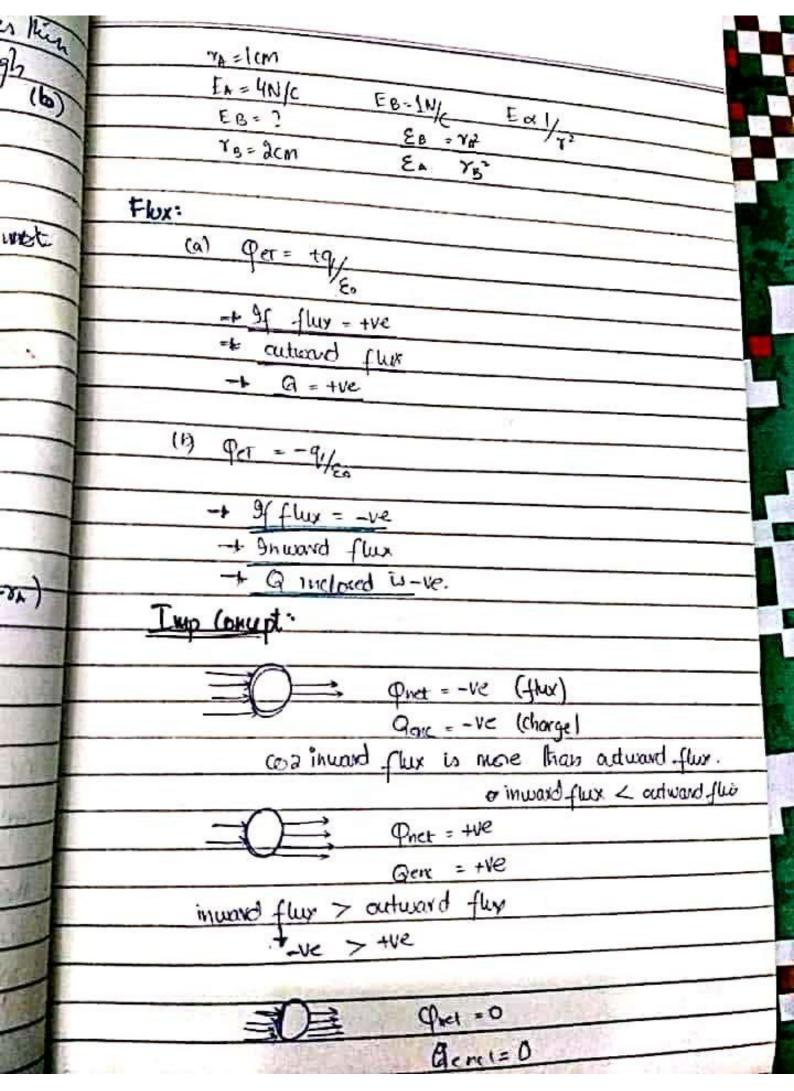
	APPLICATION OF ELECTROSTATIQ:
w	XELOGRAPHY.
they they	Horking Principles - neutralization of charges electrostatic intendior -) Aluminium dum - Aleast of Photocopter machin: -) page is more well at Photocopter machin:
will	- neutralization of charges / 1
	-) Aluminium dum - Alent a Did
	-) Aluminium dum - Alteart of Photocopter machine. -) page is more trely charged than aluminium chrum.
	marged than aluminion drum.
	E MOVE Flux:
1000	Qe = E·A
i.M	Pe = EA woo
	$E = \varphi_c$
0	Acoso
ian	- ve fux - inward flux.
-	O =0
-	(1000)=1
-	E = Ge I field lines density
	L A D
-	Ex field lines deniety > Pe/A
1	
1	Pe=10Nm2/C - A = 1 m2
	E = 10 field lines per or 1 m² area.
1	EXQ
1	Ekthic field line density or change (4)
1	
1	
1	en:

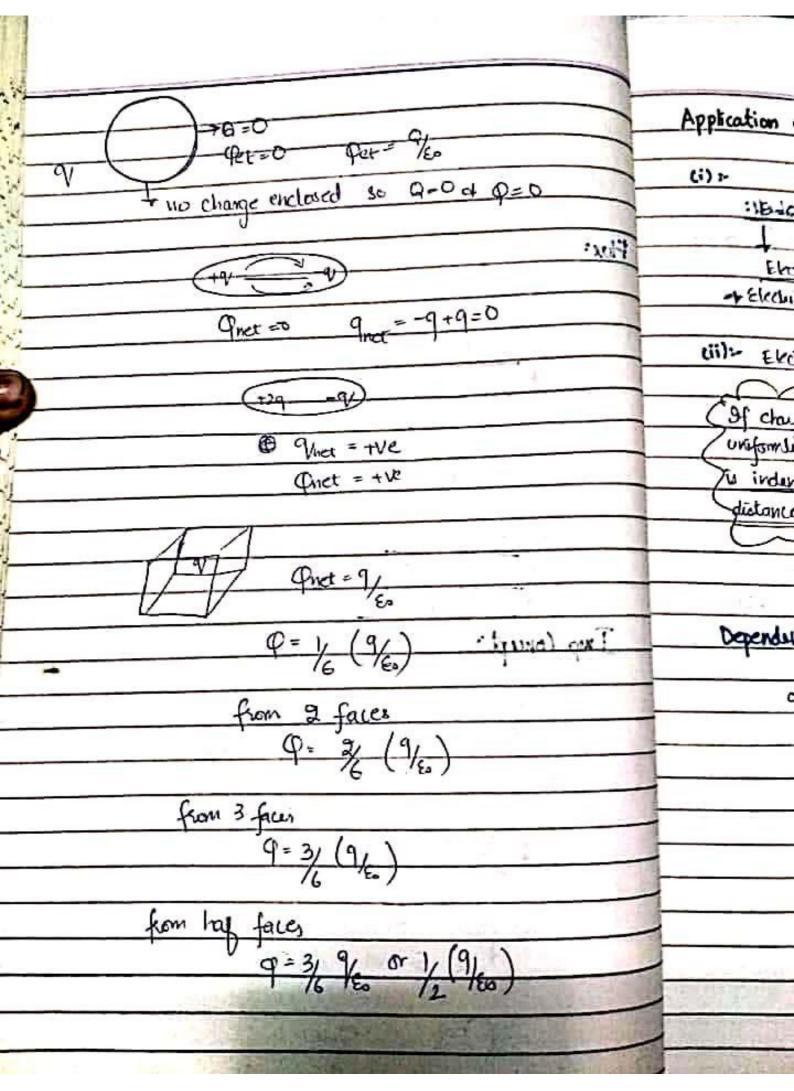




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