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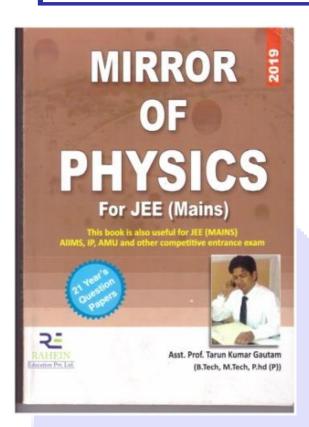
\mathbf{BY}

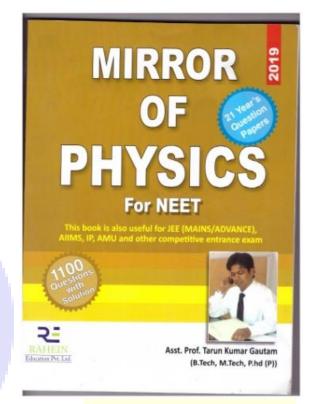
Asst. Prof. Tarun Kumar Gautam (B.Tech, M.Tech, PhD (P))

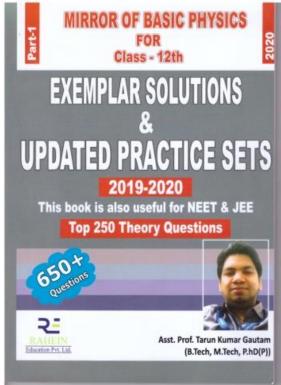
Currently working in Jamia Hamdard, (HSC), Delhi Working on Nano Technology with Rise University, USA Author of 8 books regarding Physics and Engineering Subject.

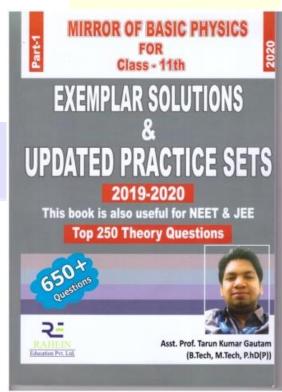
Ex-Faculty of Rajshree Institute of Management & Technology (RMIT), Braeilly, Uttar Prdesh Ex-Faculty of Assistant professor in Krishna Engineering Collage (KEC), Ghaziabad, Uttar Prdesh Member of Educational Project in University of Petroleum and Energy Studies (UPES), UK

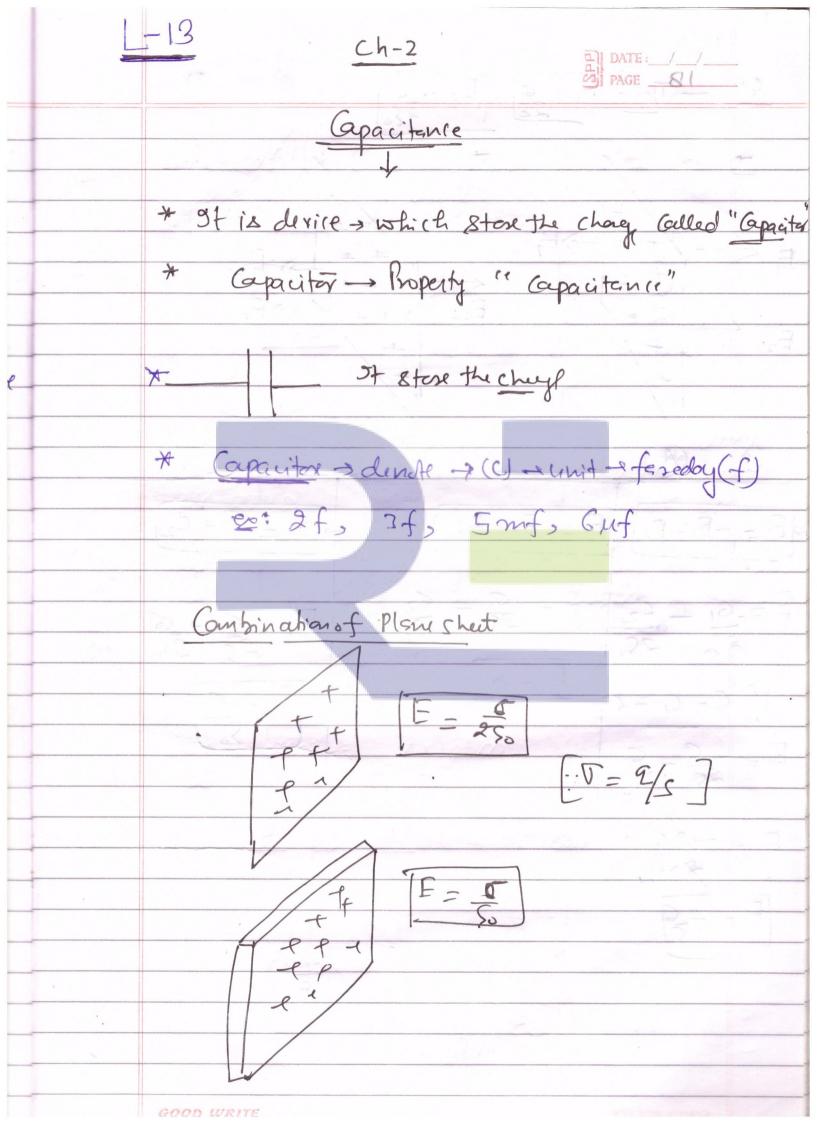


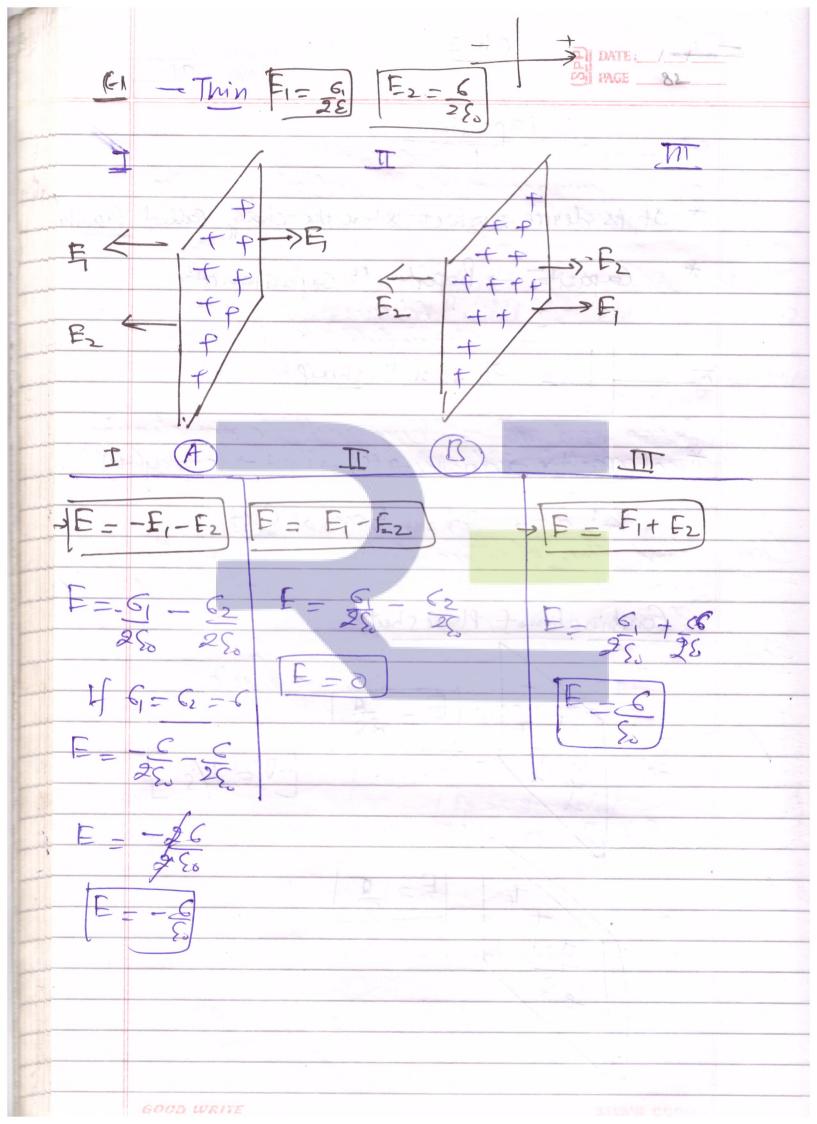


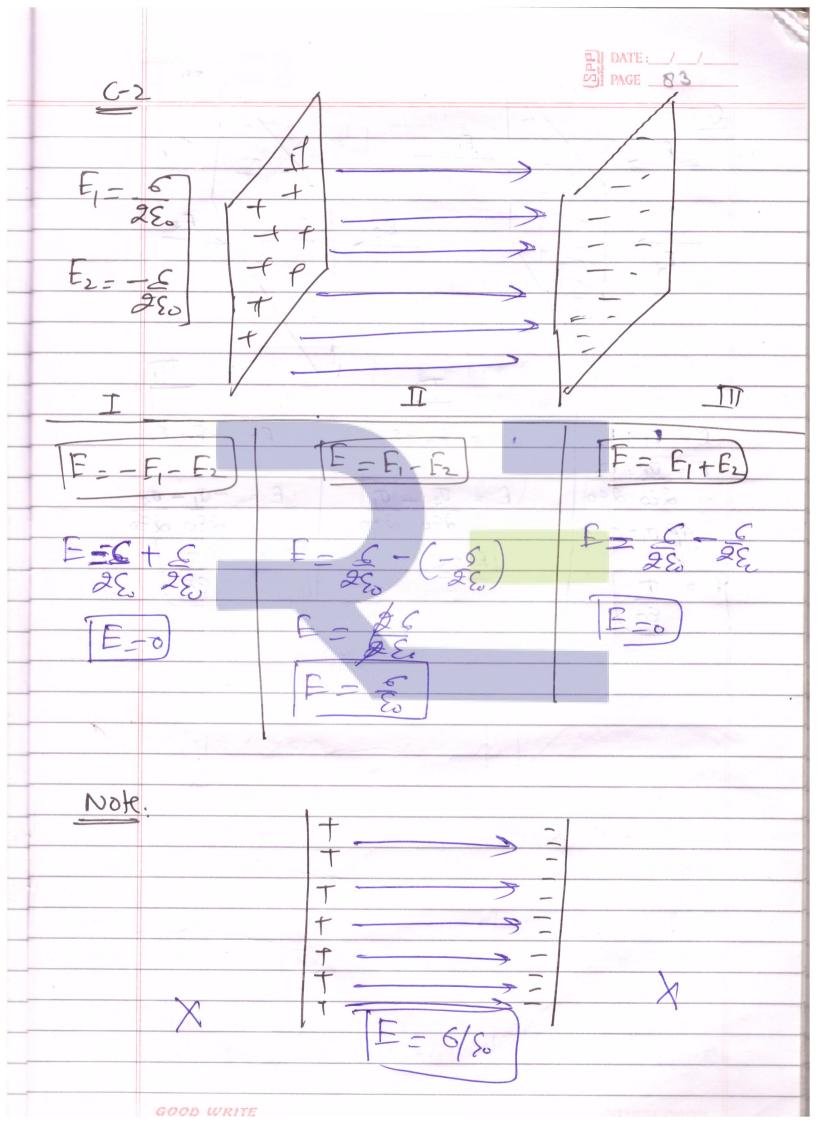


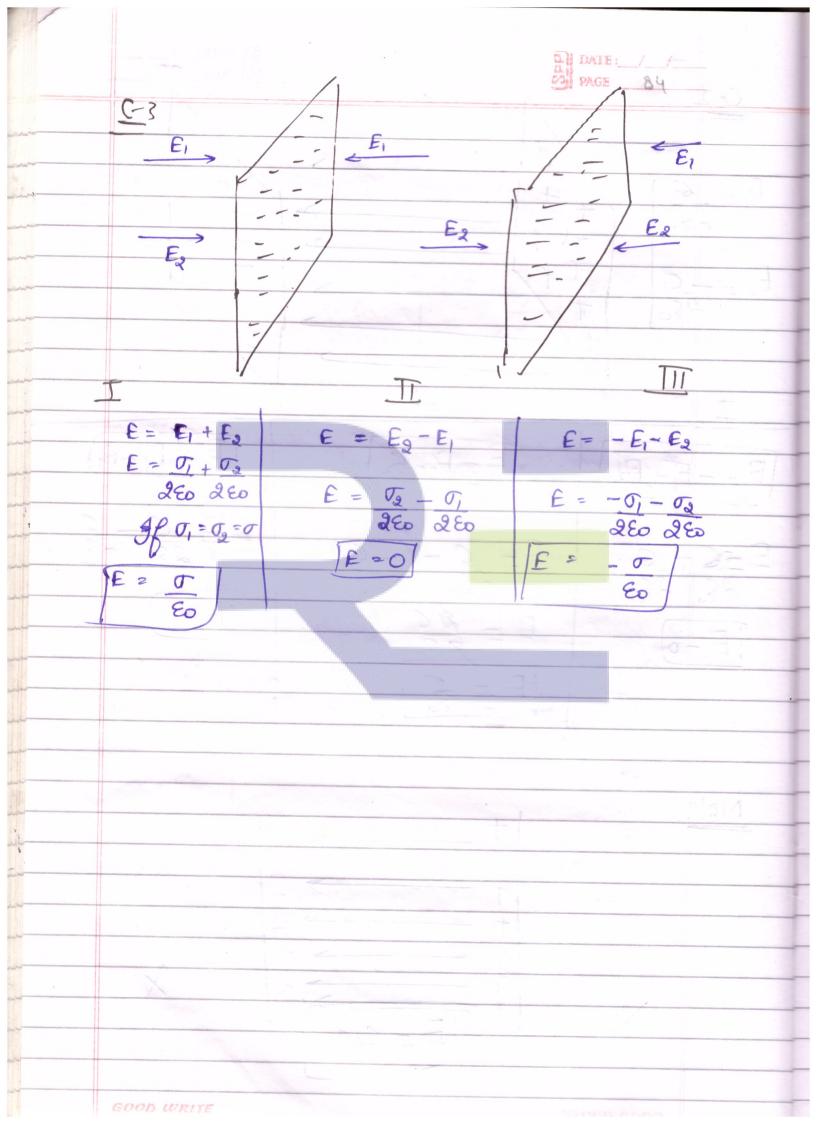


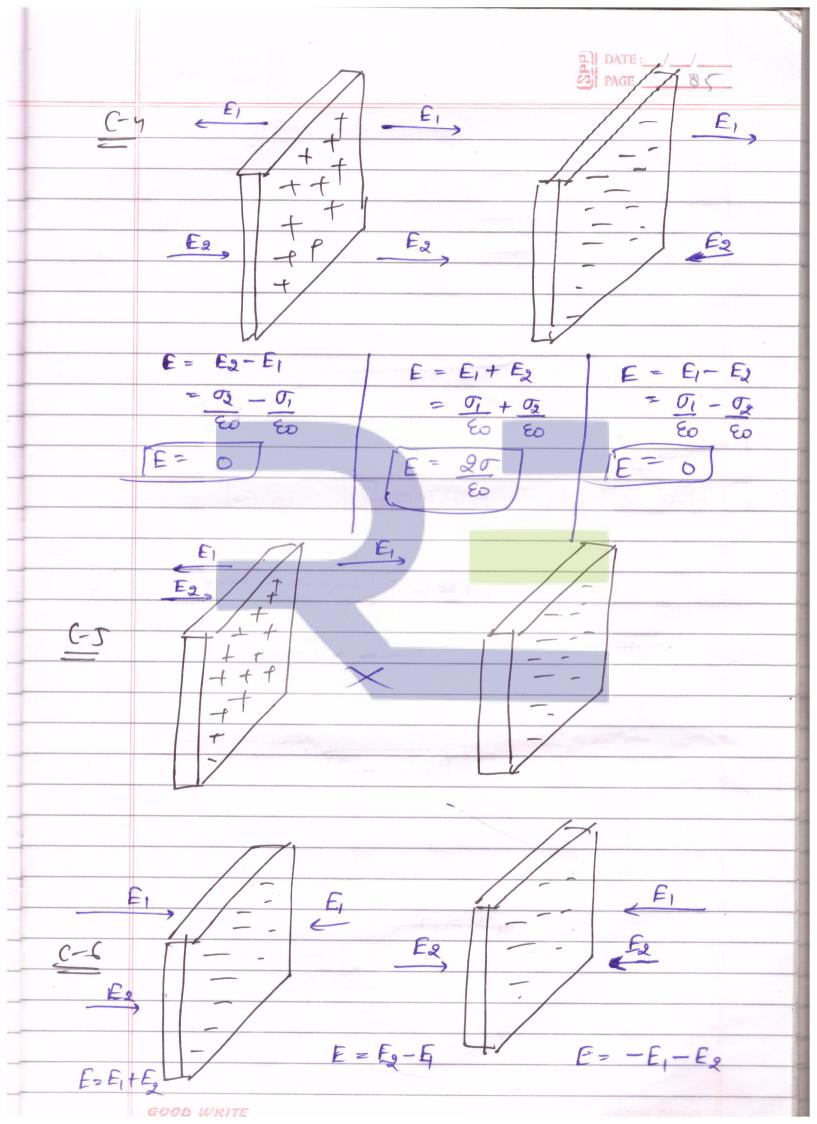




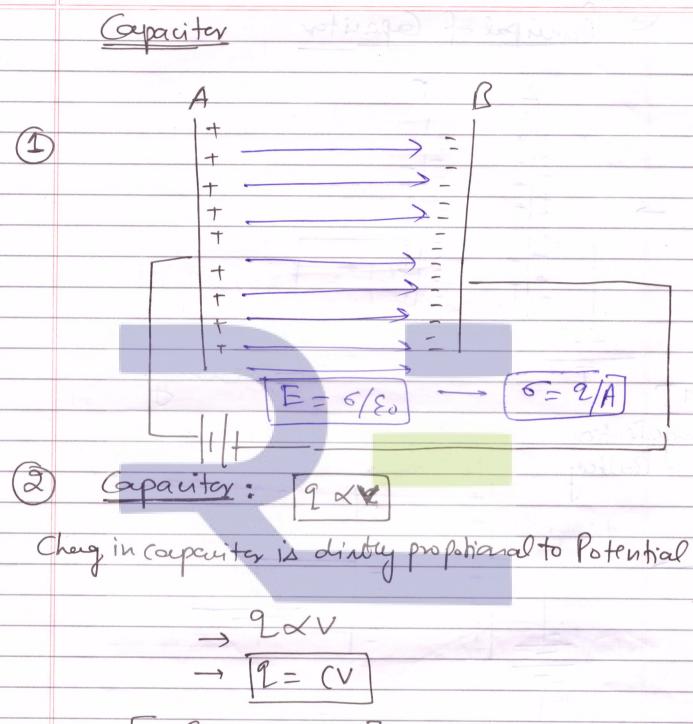


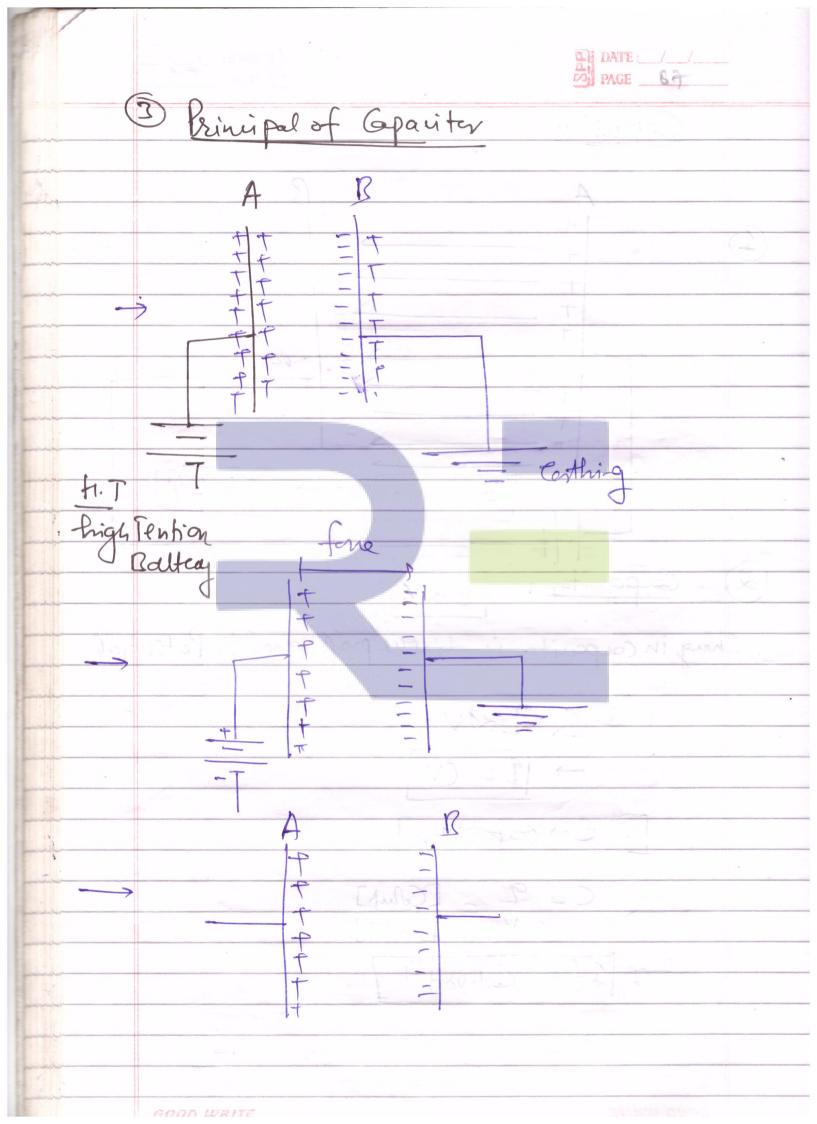


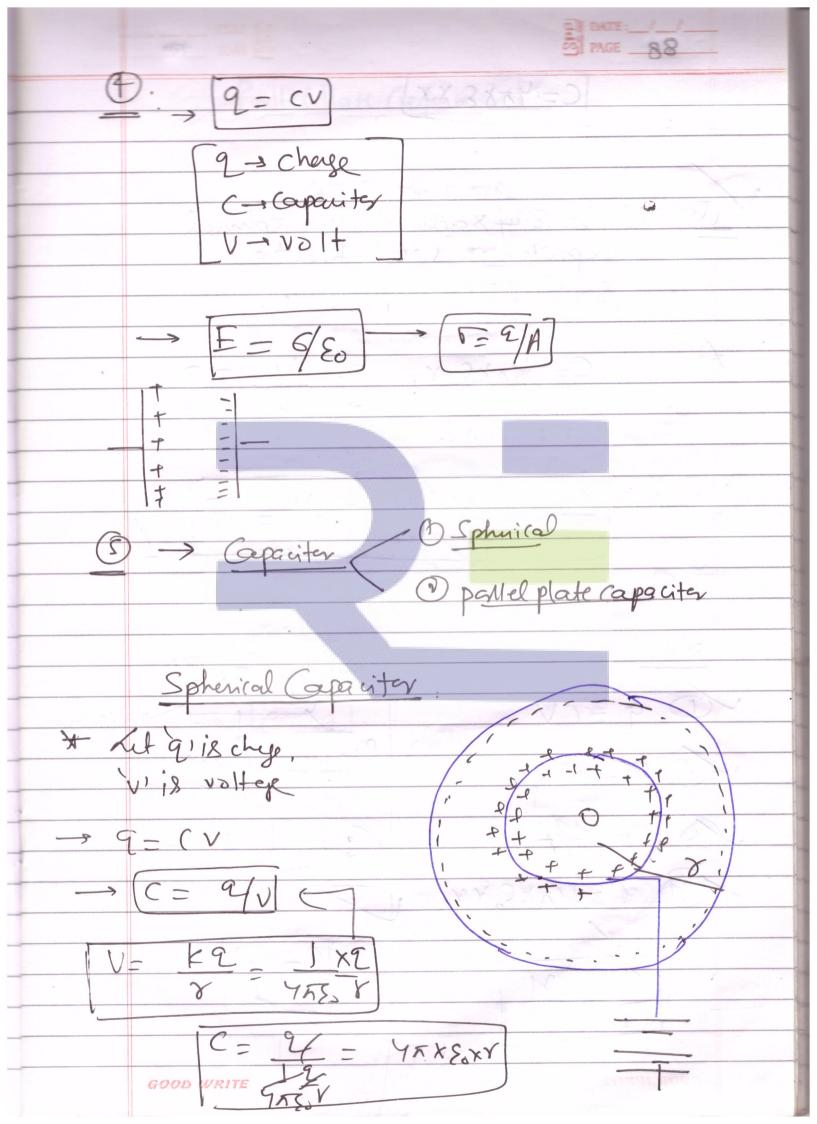














C= YAX EOXX

O' If Saho of Sadin of Two sphural Coepciton is 5:6, Frette Satiof thir Capacitone?

 $C = Y \times X \times X \times Z$ $C_{2} = Y \times X \times X \times Z$

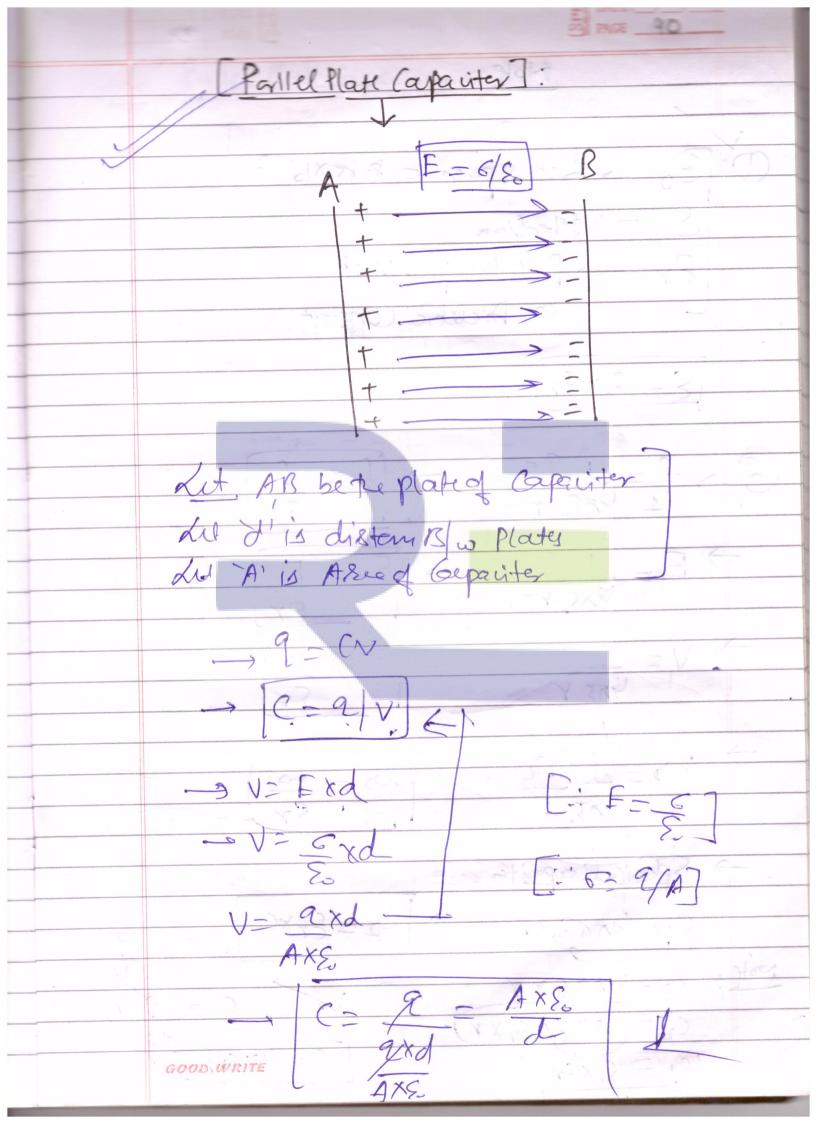
CI = YAKSAKI = TI = TI

Note Decv

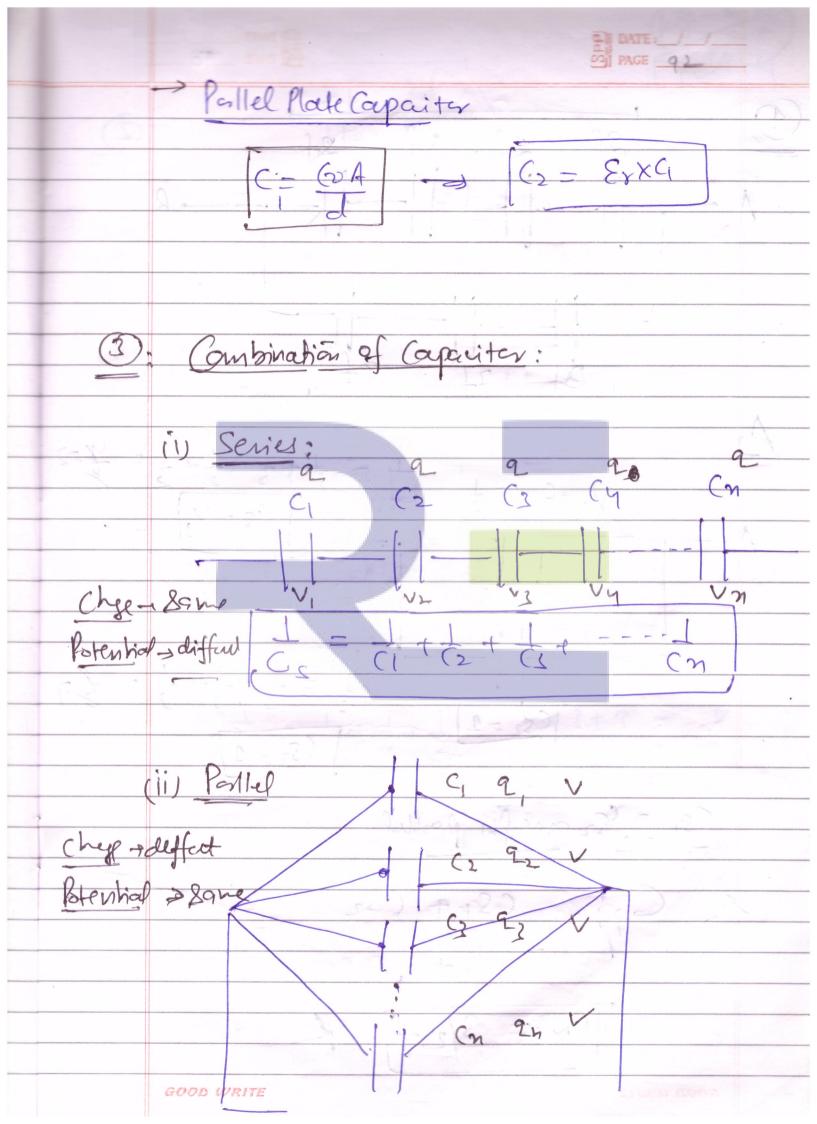
DE=6/E Retential eteching

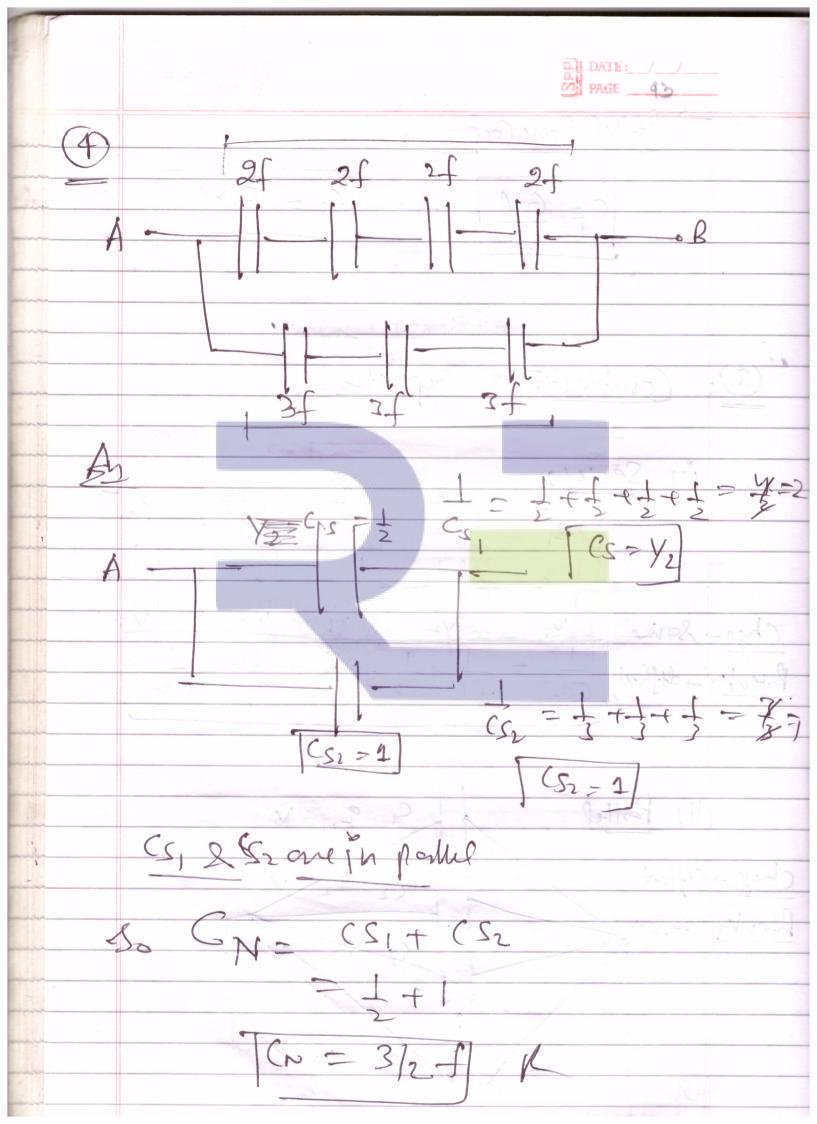
O C=YAXEYY

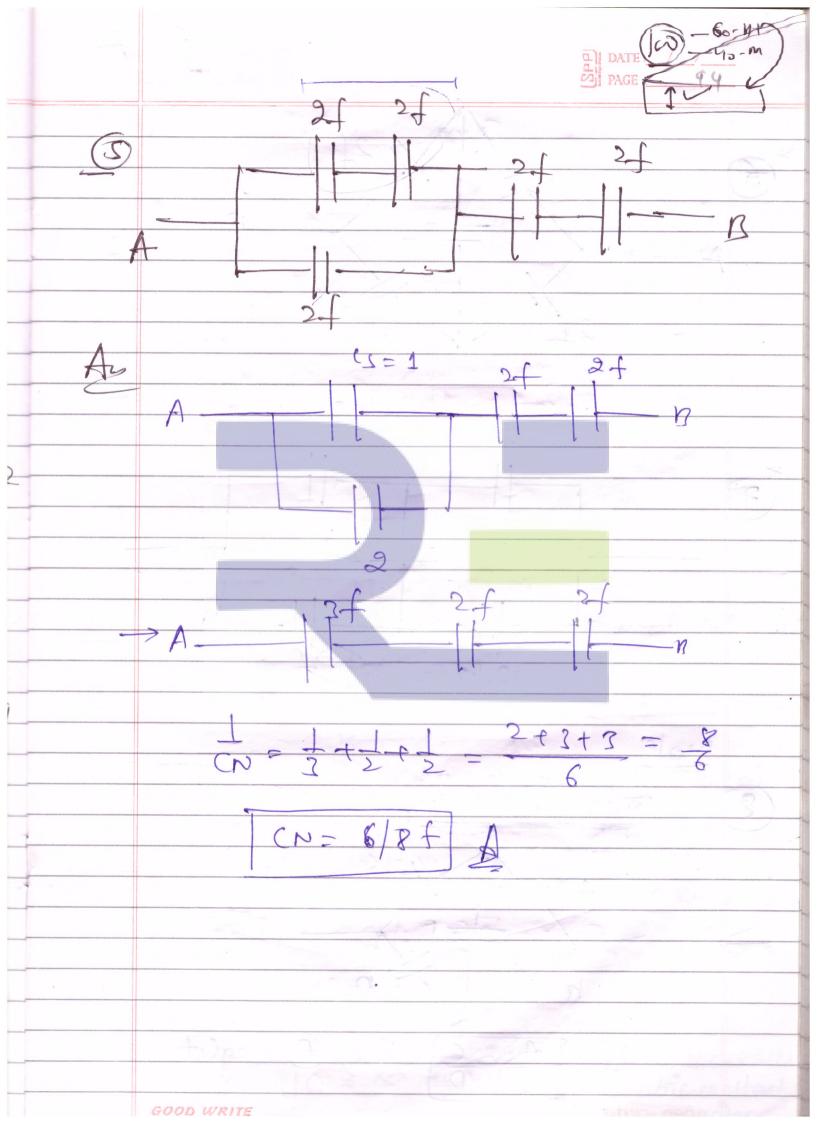
CI M Cz = 82 (= foA)

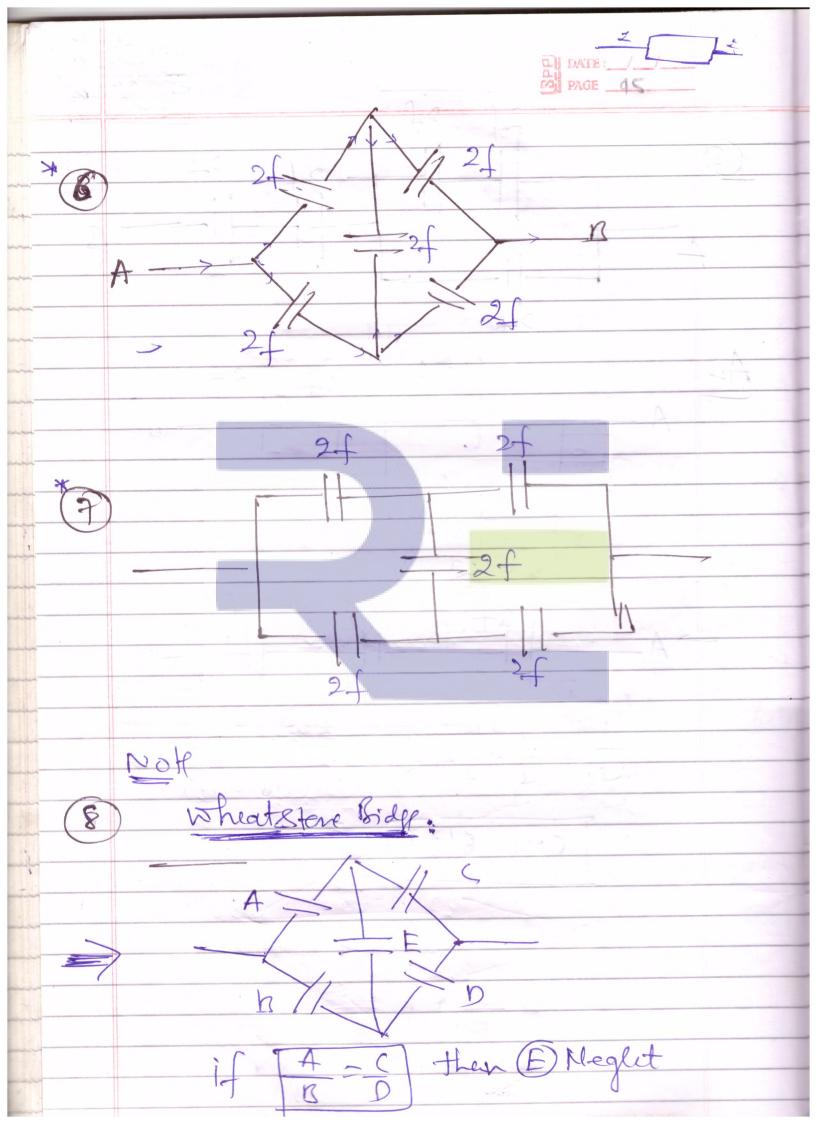


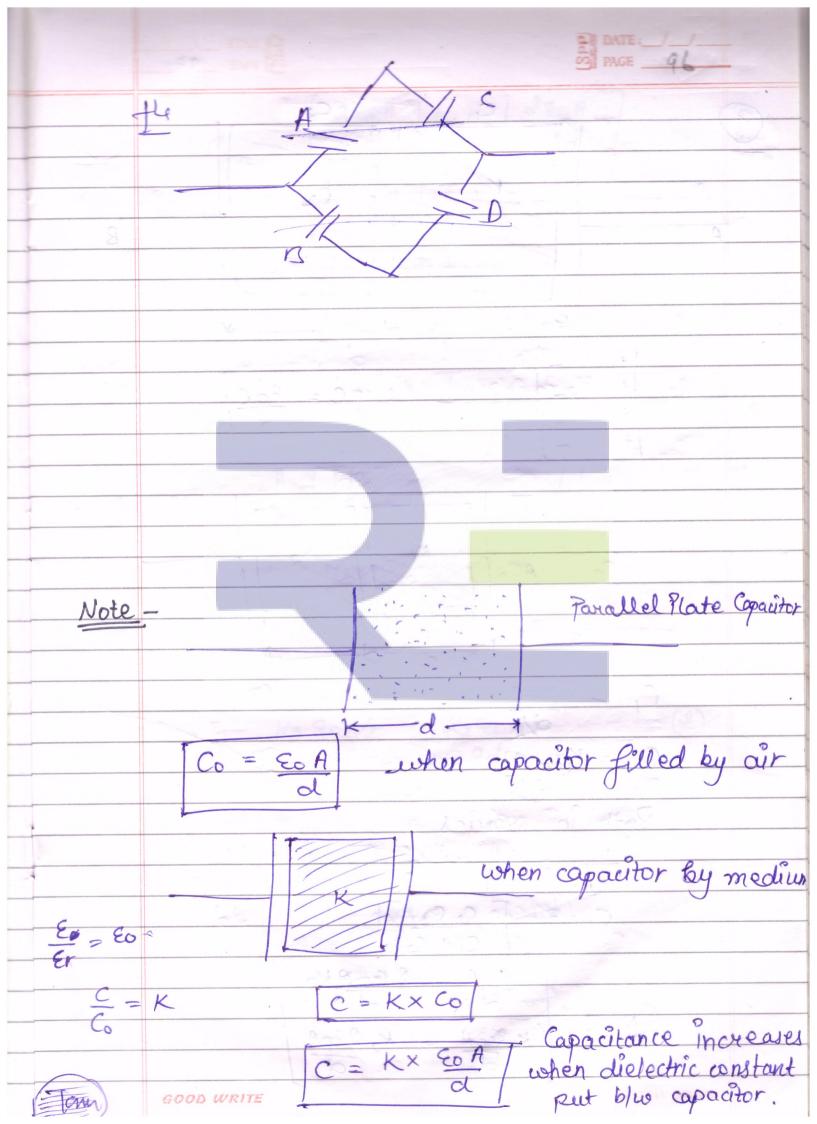
Mole Sold Hollow Eo > Lee 8 pare = 8. BX 15-12 E -> tolection Er -> Pelative permitivitus or Dieletic Constat E = 8. x Er 2) - f = 1 9192 1 405 12 7 F1 = 1 90 1-9.92 __ [2 = cd -> Sphifal Capaits C2 = ExxC1 CI= YXXEXXX NOTE: CZ= MXXEXX CZ=(AXXEXXXX)

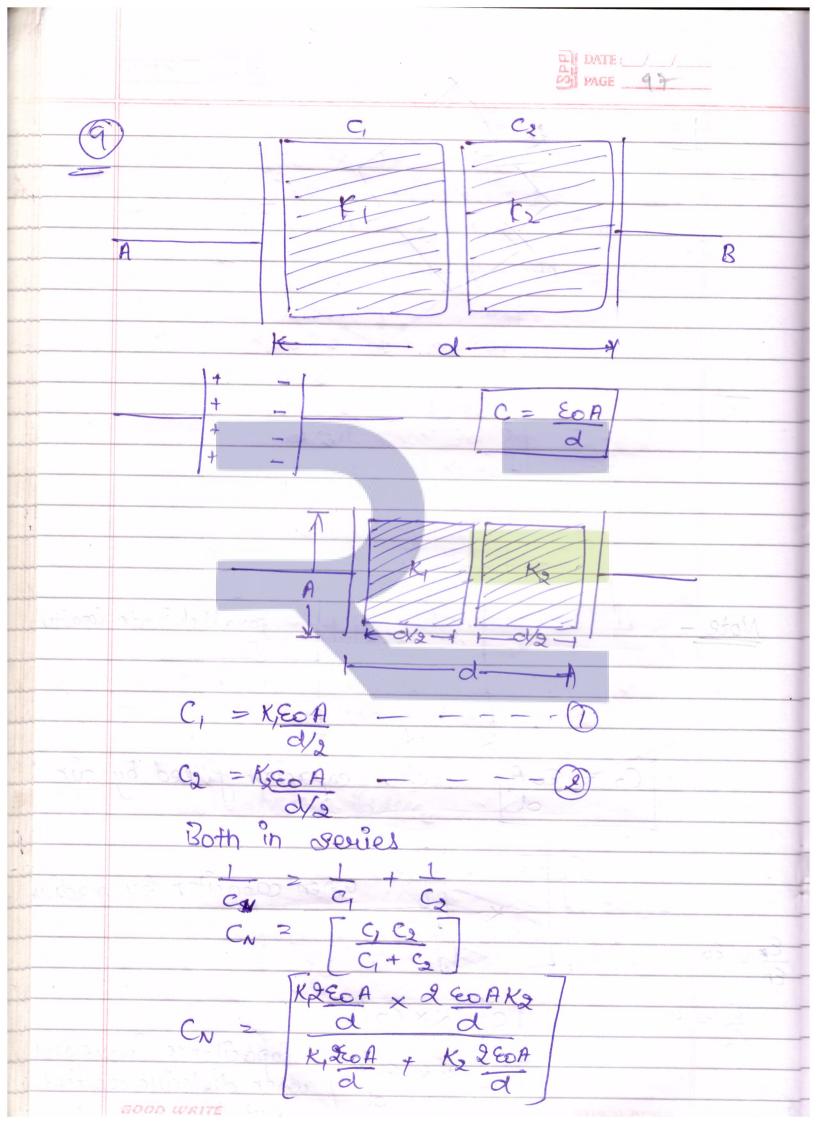




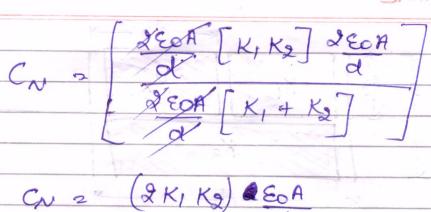




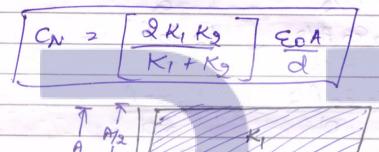


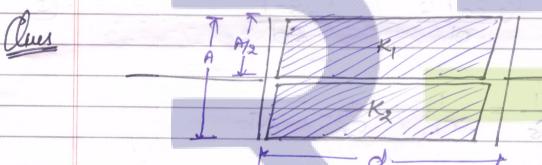






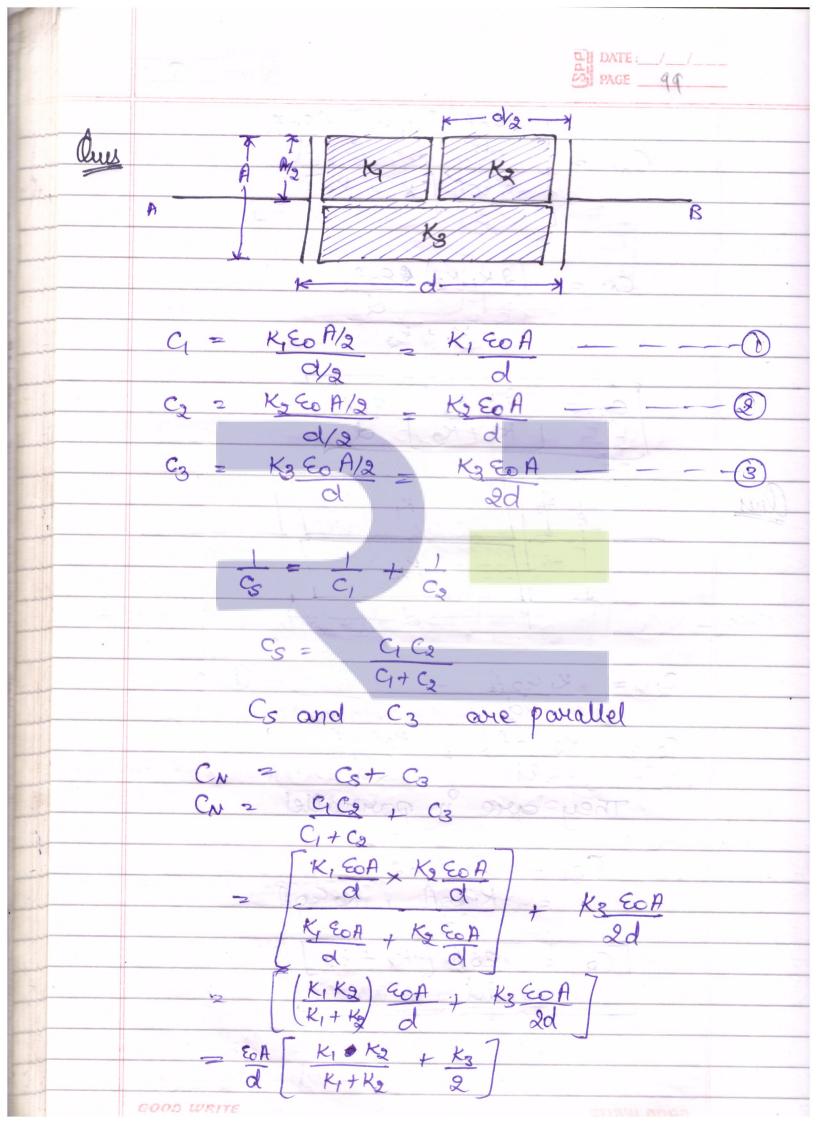
K, + K2

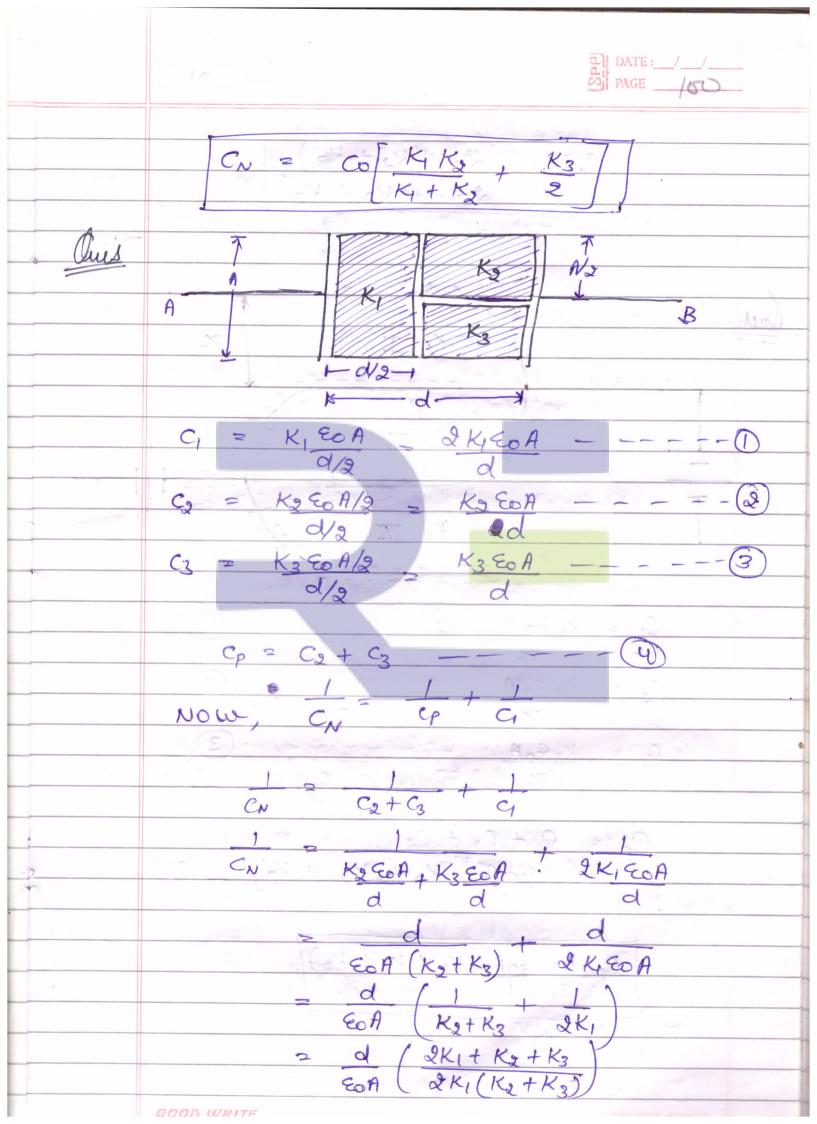


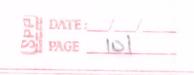


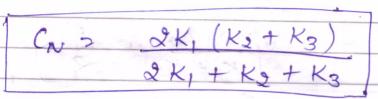
$$Cp = \frac{C_1 + C_2}{2 \times 160A} + \frac{K_2 \times 60A}{2d}$$

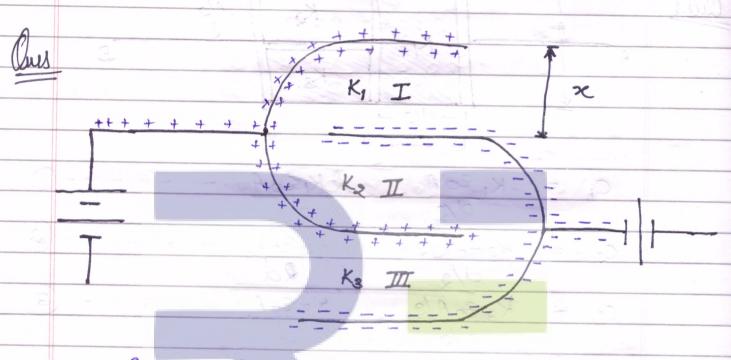
$$Cp = \frac{E_0A \left[K_1 + K_2 \right]}{2d}$$







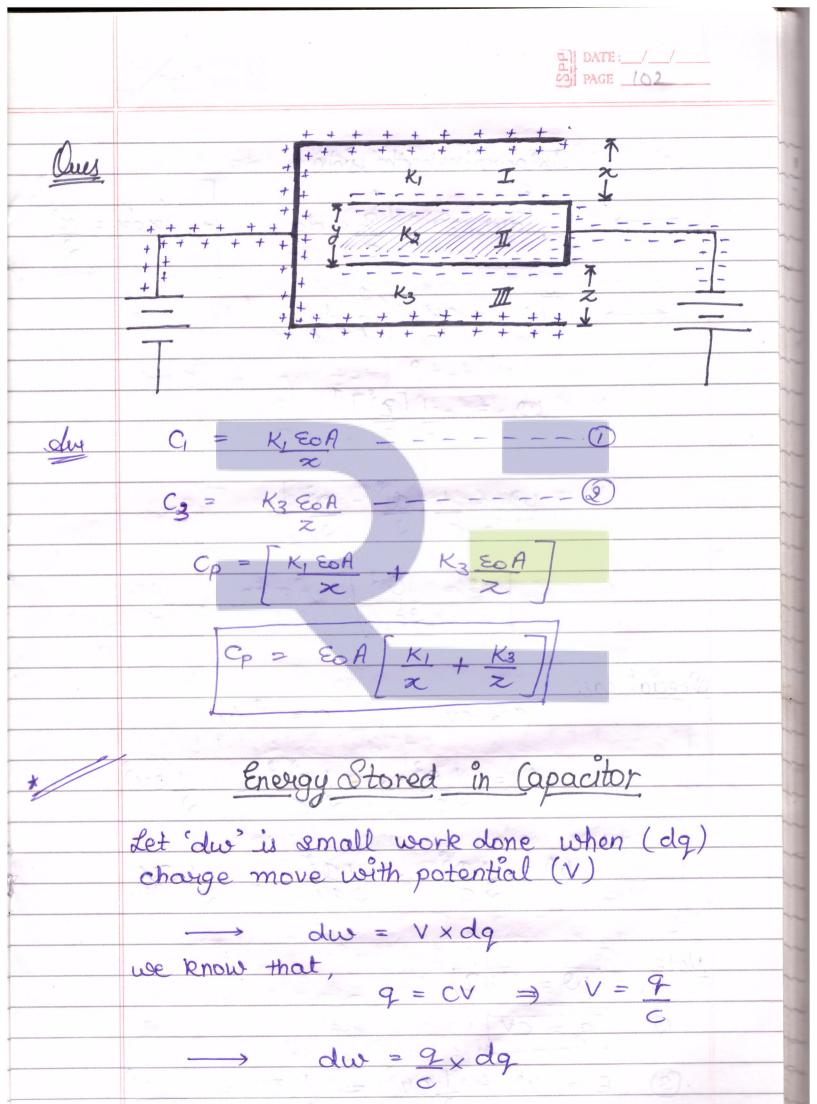




$$G = K_3 + K_3 +$$

$$C_{p} = C_{1} + C_{2} + C_{3}$$

$$= \frac{\epsilon_{0} + \left[K_{1} + K_{2} + K_{3} \right]}{d}$$



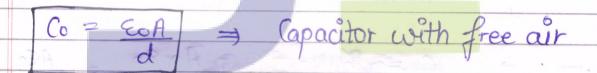
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TE

(3)
$$E = w = \frac{1}{2}Cv^2 = \frac{1}{2}QV = \frac{1}{2}Q^2$$

SPP	DATE:_	/	_/_	
	PAGE _	10	1	

- * Capacitor with Conducting Slab
- * Capacitor with Dielectric Slab
- * Capacitor with Conducting Slab



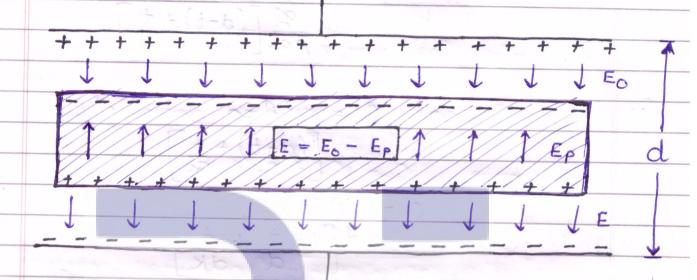
Conducting Stab

Let 't' is Thickness of 866. Let 'd' is distance blue plates. Let 'A' is Area of Capacitor

Let 'E' is Electric Field. Co = EOA ATRA NOTION we know, o = cva = dec = cvan V = Ex(d-t) : V = Exd $V = \frac{9}{4 \times \epsilon_0} \left(d - t \right)$ C = Co $\left[1 - \frac{t}{d}\right] A$ * Capacitor with dielectric Constant

Co = Capacitance of Capacitor = EoA

After putting dietectric constant



Let 'K' is dielectric Constant Let 'd' is distance Blue plates Let 't' is thickness of dielectric Blab

$$E_0 = \sigma = \frac{9}{4}$$

$$E_0 = \frac{9}{4}$$

$$\rightarrow V = E_0 \int (d-t) + t$$

GOOD WRITE

Put the value of V in equation

$$C = \mathcal{K}$$

$$\mathcal{F} \left[(d-t) + t \right]$$

$$A \in \mathbb{R}$$

$$C = A \in O$$

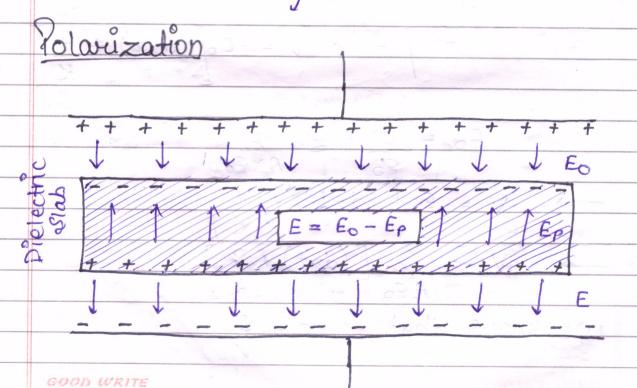
$$= \left[(d-t) + \frac{t}{K} \right]$$

$$C = AE0$$

$$d[1-t+t]$$

$$d dk$$

Stab is putted.

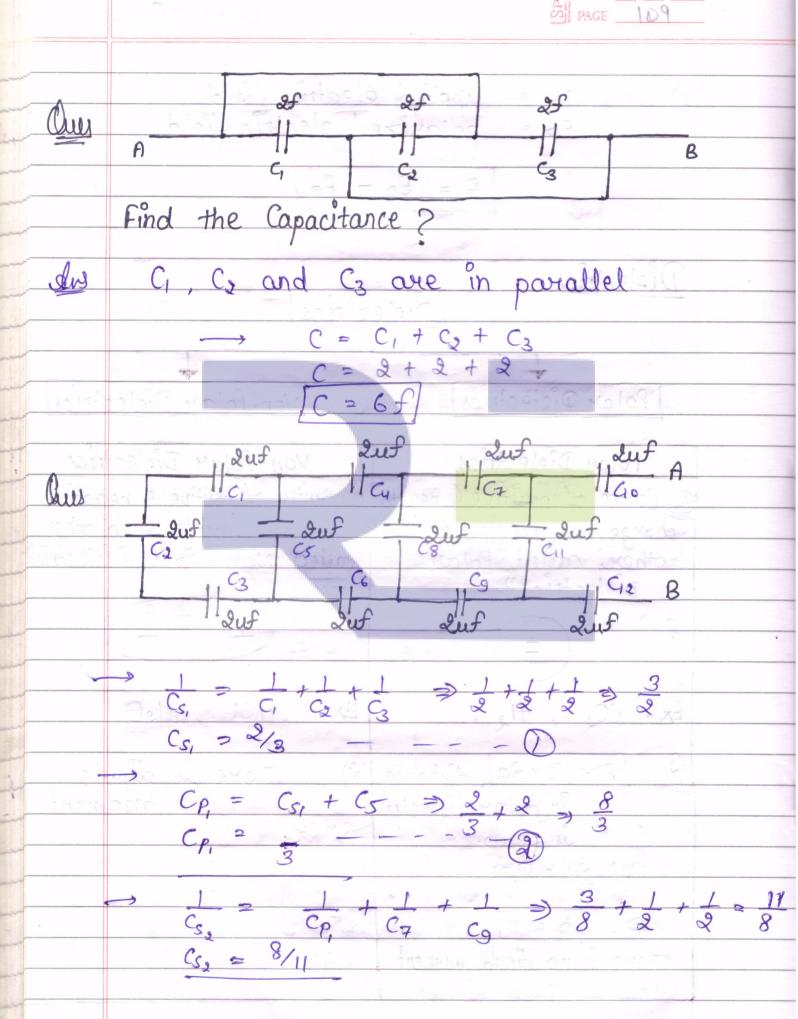


Fo =	applied electric field
Ep =	applied electric field
2	E = Eo - Ep
	ed the Copacitanus ?
Dielectrice	و د معرف د معرف ا
	Dielectrics

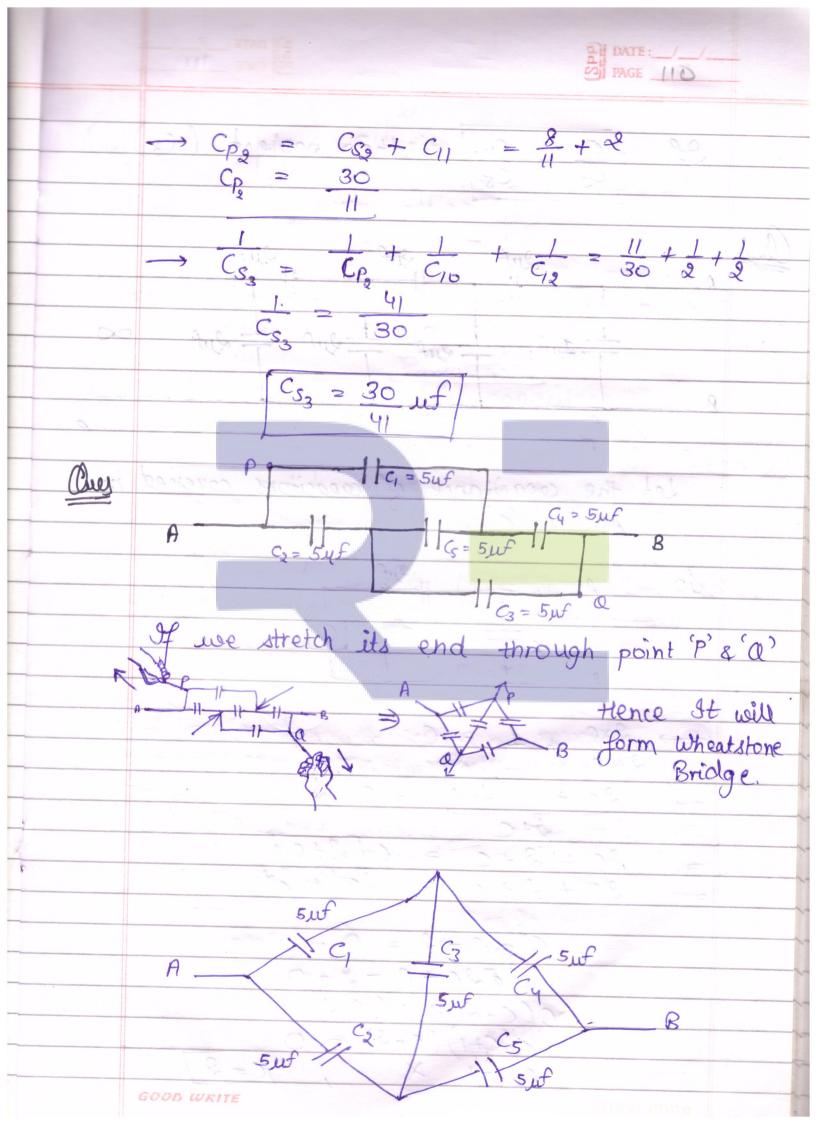
econoccio.	*	
en a constante	Polar Dielectrics	Non-Polar Dielectrics
-	Polar Dielectrics	Non-Polar Dielectrica
-	1 Centre of positive 4 negat	ive O centre of positive & negative
	charge one coincide each other called "Polar Dielectrics"	
	other called "Polar	doesn't coincide each other called Non-Polar Dielectrice
	Dielectrics"	
	Richard Control	FIRE E CARRY
	$\left(\begin{array}{c} \pm \end{array}\right)$	(+ -)
	C To the second	The state of the s
	Ex - (0) H	Ex- HCl . HOD

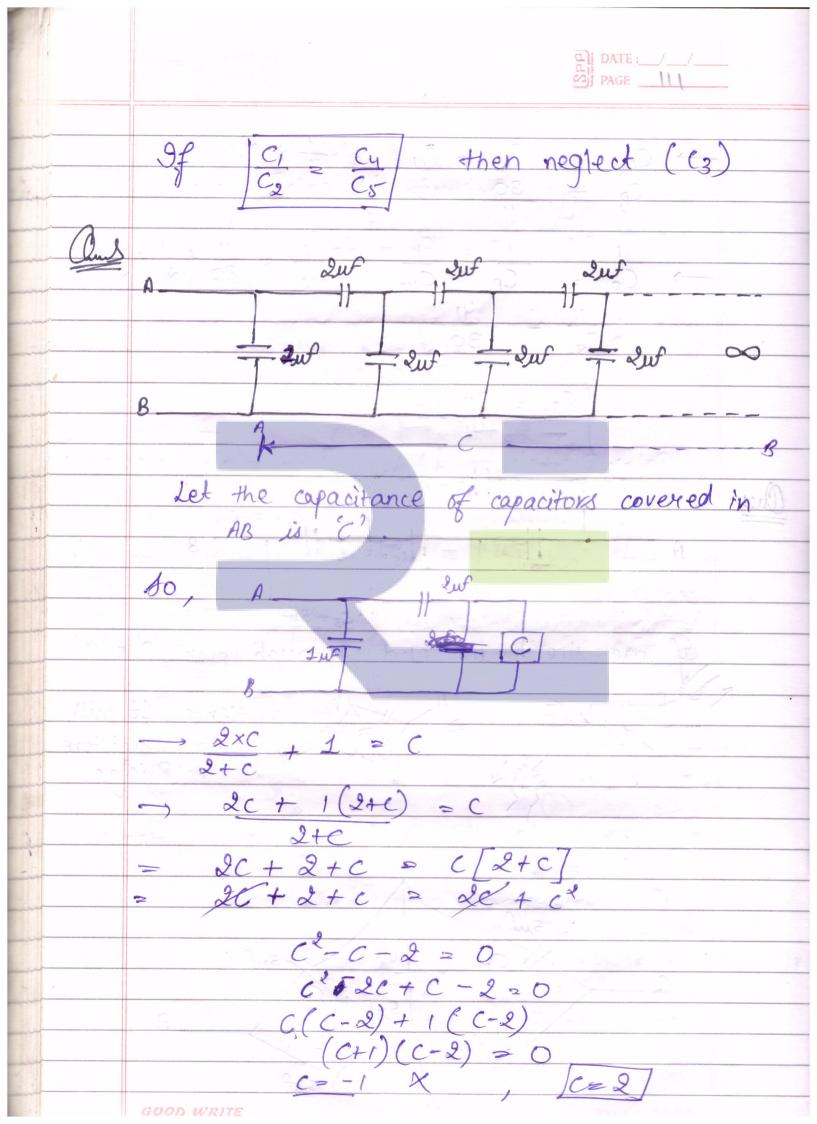
~ ~	2					-7	120
	$P = 9 \times 2a$, distance	②	Th	ere.	is	dipole
	يا خورو	7		2			menc
	2a = 0						

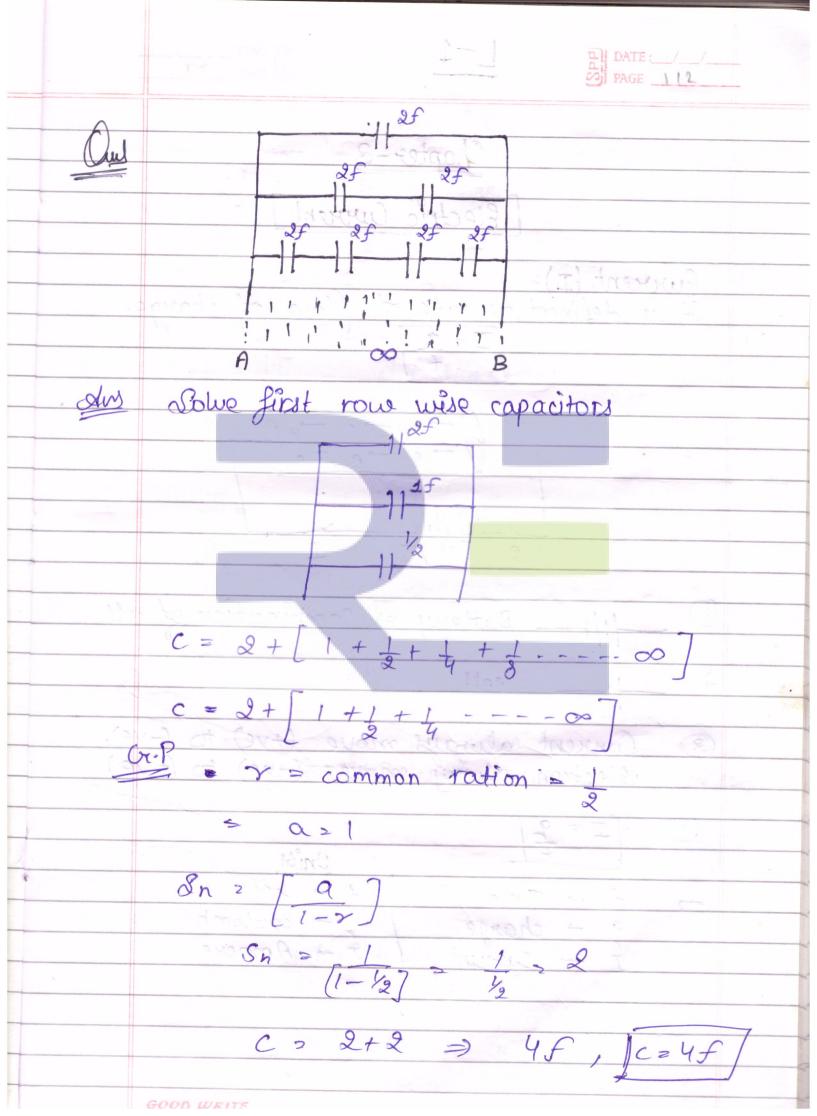
There is no dipole moment



GOOD WRITE









CBSE RESULT 2020



Special Physics for NEET/JEE

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