Fan 3hi Yong 0356H

FUI	8ru 0019 00001	21. 121
Subject:	Date: 20	7/1/04
()	Plucy we concider = V VD=D	(nit
	$V = \frac{Q}{C}$	
	$=\frac{20\times40\times10^{-4}}{(0\times0^{-4})}=100000000000000000000000000000000000$	(d17)
	= 8 OW	
	Total energy = 2 = 2 cv = .	Gif
2i)	Q = CV	
	$0.16 \times 10^{-3} \times t = 64 \times 10^{-6} \times 30$	
	Pol exercts each capacitor = V 201=+	Fiid
		7 - 8
), 2ji)	E=ZQV 10 = motorgas tops 130	dis
2	= = × 0-16×10-3×12·0×30	
	= 0.0288T V) = 8 = Weep lot 20	bit
	= 3 C V 2	
3)	$\frac{\dot{c}_{eq}}{\dot{c}_{eq}} = \frac{c}{c} + \frac{c}{c} $	e
	Ceg = & = tongas Asa = #Com ()	bija
	$Ceg = \frac{4}{C}$	
	Of on each supercition = 5	(Rip
	Ceg = C + C + C + C	
	Fital energy = 2x \(\frac{1}{2}\) 2 =	GiiA
()h	* <u>V</u> O =	
	$Ceq = \frac{1}{2C} + \frac{1}{20}$	
	$\frac{Ceq}{=\frac{2}{2C}} + \frac{1}{2c}$ $=\frac{2}{2C}$ $=\frac{2}{2}$ $=\frac{2}{2$	410
	Cep = C	
	Q on each consistor = 3	(avit
	Ceq = 2C + 5	
	-71 n	(Aya)
	= 3× 10 43	1
	$Ceq = \frac{1}{C} + \frac{1}{C} + \frac{1}{2C}$ $= \frac{5}{2C}$ $Ceq = \frac{2C}{5}$	
	$\pm \frac{5}{10}$	
	Ceg = 2c	
	- V S	
		

A \ Subject	Da	te:
(Tia)	P.d ocross each capacitor = V V = X	
	3 = 1	
416)	Q across each capacitor = CV	
,	/ XX = X XX	
4ic)	Jotal energy = 2× ½ CV² = CV²	
	$VV = CV^2 \qquad VO = \emptyset$	(0)
	0 10×10 3× t = 64×10 6× 30	
Fiig	Pd across each capacitor = V 2/2/=+	
(ib)	QON each capacitar = CV VS = 3	
	= \frac{7}{2} \times 0.1\times 12.0 \times 30	
4iid	Fotal energy= 3×2CV2 78800.0=	
	ca = c + c + c + c + c + c + c + c + c + c	(8
4i ija	P-d across each capacitor = ==	
2 12	$\dot{C}_{eq} = \dot{\overline{C}}$	
(iib)	Q on each superciter = ch	
4554	$C_{ij} = C + C + C + C$	
41110)	Fortal energy = $2 \times \frac{1}{2} C(\frac{\sqrt{2}}{2})^2$ = $\frac{CV^4}{2}$	
	$=\frac{CV'}{4}$	
V)	CQ = 3E + 3E = 65	
(fivo)	P-d across each capacitor=====	
£ - 19		6
(tivb)	Q on each capacitor = Sy	
4	= +) = ha ,	
(1vo)	Solution energy = $3 \times \frac{1}{2} C \left(\frac{V}{3}\right)^2$	
	$= \frac{3}{2} \times \frac{1}{2} C \frac{V^2}{Q^3}$	
	$=\frac{CV^2}{6}$!
	31	1
	= 101	

Subjec		49
4va)	P.d across each capacitor = =	(8)
	P.d across each capacitor = 3 P-d across each series capacitor = 3	
	AV 3	
9vb)	Q, = CV.	
d	$=\frac{2}{3}CV$	Ob
500	Conduct experiment with air as 5/2 (= 5 Dig p 20 mg	
	$=\frac{1}{5}CV$	
	Conduct experiment with years no lieucotric,	1
4v9	Et = Et Ez	
)mi	$= \pm CV_1^* + \pm CV_2 \qquad $	
	$= \frac{2}{9}CV^2 + \frac{1}{9}CV^2$	
	$=\frac{1}{3}CV^2$	
5)	$C = \{x, 20, \pm 0\}$	Gn1
	$C = 3 \times 2 C + C \qquad VO = 0$ $= 7 C \qquad 0.00 \times 2 = 0 \times S = 0$	(0)
	J+01X-P=	1
€a)	$Q = C_1 V + C_2 V$	
- OU	$= C_1 V + \frac{1}{2} G_1 V .$	
	1/12 HEDE =	
(984)		
	*-MIX + x = =	
17 -	= 2.67×10+c	
) *= *C	
90	I= Qt Q=It	
1/3	(+) = I(+)) + N/X884 =	
	=======================================	
	THE TENT	(1)
96)	$C = \frac{Q}{V}$	6 6
	((()))= 元(七)	
	$\frac{7-3\times10^{-6}}{50\times6\cdot0}$	
	$=2.5 \times 10^{-8}$	

	Subject: Date:	
90)	$C = \frac{\mathcal{E}A}{d}$ of war and which was a contract of $\frac{\mathcal{E}A}{d}$	173
	$\frac{I}{fv} = \frac{e^{iA}}{dv}$ $\mathcal{E} = \frac{Id}{dv}$	
1		
	Q = QU	
9d)	Conduct experiment with air as dielectric, neasuring	
	Conduct experiment with our as dielectric, neasuring	
	Conduct experiment with glass as dielectric,	
	measuring I grass 3+3=+3	byt i
of .	= \frac{1}{2}(V_1 + \frac{1}{2}(V_2 - \frac{1}{2}) \frac{1}{2}	*M_
	$= kI \qquad \text{Syn} = $ $E_r = \frac{I_{9lass}}{I_{10}} \qquad \text{Syn} = $	
	Er = Igir	
(0)	Q = CV Storx = S	(2)
	$= 2 \times 10^{-6} \times 200$	
	= 4×10-4 C	
	$Q = C_1 V + C_2 V$	0.9
	= C, V + 2CqV	
	$= \frac{3}{2} \frac{C_2 V}{2} \frac{3}{2} \frac{C_1 V}{V}$	
	$C_1 = \frac{2}{3}C$ $= \frac{2}{3}x + x \cdot 1 \cdot 1^{-4}$	(92K)
	$= \frac{2}{3} \times 4 \times 10^{-4}$	
	$= 2-67 \times (0^{-4})^{C}$	
	$C_2 = \frac{1}{3}C$	
	$= \frac{1}{3} \times 4 \times 10^{-4} + 1 = 0$	$\int_{V_{i}} f'$.
	= 1-33×10+C	
[la]	$\frac{1}{\sqrt{-\frac{2}{5}} \times 1200}$	
	$= \sqrt{2} \sqrt{Q} = \frac{1}{1 \times 10^{-6} + 2 \times 10^{-6}} \qquad C_1 V_1 = C_7 V_2$	W
	$\frac{-\sqrt{2}\sqrt{1 + \frac{1}{2\sqrt{0}}}}{\sqrt{1 + 2\sqrt{0}}} = \frac{C_1V_1 = C_7V_2}{C_4V_1 = 2CCV_2}$ $V_1 = \frac{2}{2}C_2V_2$	
	V ₁ = 262V2	3
	$V_1 + V_2 = V$ $4V_2 = V$	<u> </u>
	4 V2 = V	

Subject:		Date:
	$V_2 = \frac{1}{3}V$	
	=400V	
	$V_{i} = 800V$	
	Q = CH VCeq	,
	= 1200 × 1/1/10 + 2×10-6	
	$Q = C + V C eq$ $= 1200 \times \frac{1}{ x ^{1/2}} + \frac{1}{2 \times 10^{-6}}$ $= 8 \times 10^{-4} C$	
(11)	$Q + Q = Q_1' + Q_2'$	
1/1	$2\alpha = C_1V + C_2V$	
a.	= (3×10-c)/	
	1/ = 7× 8 × 10-4	
	$= \frac{(3 \times 10^{-6})}{(3 \times 10^{-6})}$ $= \frac{5.33 \times 10^{-6}}{3 \times 10^{-6}}$	* * * * * * * * * * * * * * * * * * * *
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Subject:	Date	
	V==V	
	Vout-	1
	V358= , J	
	21/40-0	
	1000 × 1000 = 1000 × 1000 = 1000 × 10	
	= 8×10 + C	
	C + 12 = 81 + 122	(41)
	$ZQ = C, V + C_2V$	1/2/
	1.13-11.2	
	1.01 X 45 X2 Y	
	1×8 V	
	1.85 Al x 656=	
		1
		·
		<u> </u>
	d .	
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