Capario
Capacitons & Dielectric
Acrestion 01:
and the same of th
Dala
Ct=6 QIF
Czz Yelf
V2200V
a) C = 7
B) 2,=7; 2227
c) V <sub>1=</sub> ?; V <sub>2=</sub> ?
Solutioni
Solutioni
Solution: a) C-2
(a) = 0 $(b) = 0$ $(c) = 0$ $(c)$
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a) $C=7$ $\frac{1}{2} = \frac{1}{4} + \frac{1}{2} = \frac{1}{4} + \frac{1}{4} = \frac{5}{4}$ $C = \frac{12}{5}$
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Since the capacitors are

## Question or

## Solution

Question 03

C = 32 MF $V(t) = 6 + 4t - 2t^{2}$ 

t=0.5s

a) 207

B) I2)

c) P=>

Fos VI-

V= 6+410,5)-2(0.5)2

1 V=7.5V

FOR a:

Q= CxV. 32x10 x7.5

FOR IL

2, dQpt

2: calv

9, 32×10-6 (4-48)

2: 6.4×105 A)

FOR PI-

P. 6.4×10.5) - 2(0.5))x

P. 4.8x10-4 W)

P. 480 UW

Question 04 A= 12-cm = 1.2x10 3m2 d: 2mm = 2x103m V2 60V C 27 well a=7 C. Eox1.2x10-3 2 x 10-3 C= 5.31pf 0, 5.31×10"×60 Q, 313pC Question 05, 1120 E Li

i) For equapacitance of (1 51) C6, 3.75 NE 3.7541-COV 2) For eq Capacitanue of C, ECs







