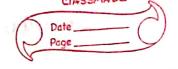
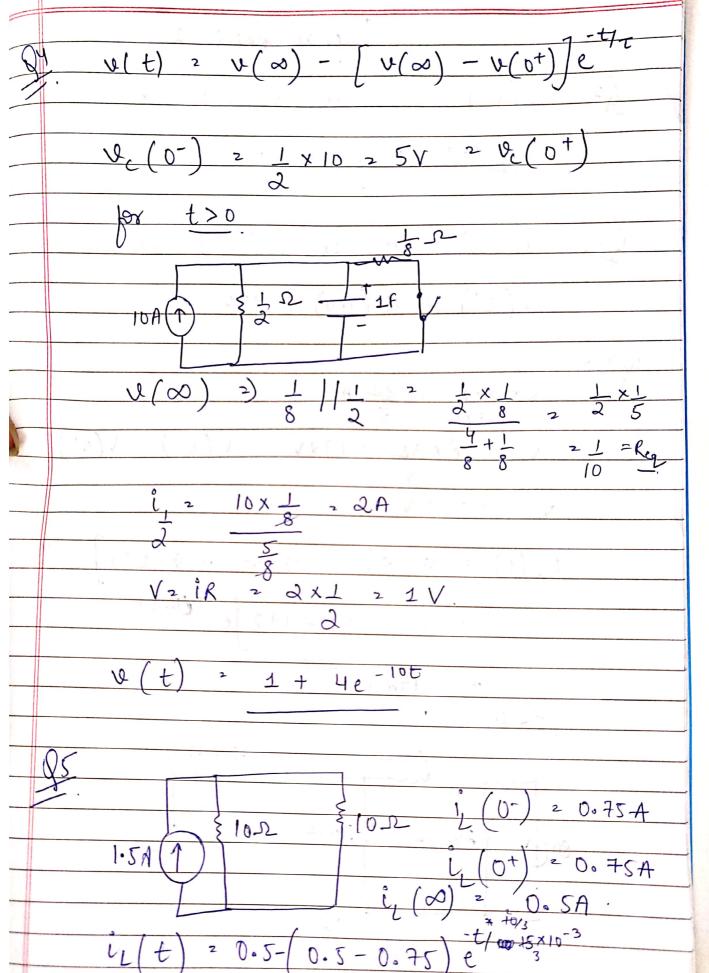
## Tutorial Sheet - 1 1. V(0-) = 3V & V(0+) = 3V $i_{152}(0^{+}) = 3 = 3A$ i, (0-) = 2A so i, (0+) = 2A V(0+) = 2 (20) = 40V $\frac{8 \times 200}{2505} = \frac{32}{5}$ $\frac{2505}{5} = \frac{5}{8}$ $\frac{2505}{5} = \frac{5}{8}$ $\frac{2505}{5} = \frac{2192}{8} = \frac{192}{5} = \frac{192}{5}$ v.(t) 2 v(∞) - [v(∞) - v(0+)]e-t/RC 0 - [0-192]e-t(125) = 192 e 125t 200-2 {30.12





0.5-10.5-0.75

classmate  $\frac{-t \times 2 \times 10^{3} \times 9}{972}$   $\frac{1}{4}(t) = 0.5 + 0.25e$ i(10) 2 1 x (1.5 & -i(t)) -t (1000) 0.5 + 0.12511 301 i(0-) = i(0+) = 0.5 20V ri(t)  $i(t) = 0.6 - (0.6 - 0.5) e^{-t(50)}$   $= 0.6 - 0.1 e^{-50t}$ |ort<0|,  $e_1 = 3(8) = 24V$   $i(\infty) = E_2/R$   $i(0^+) = i(0^-) = -8A$  $v_{L} = Ldi(0^{+}) = 2 \times 3 = 6 \overline{v}$ E, 2 - VL - R(i(0+)) 2-6-R(-8) 28R-6

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