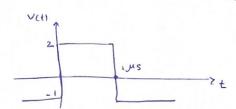
OMIL JOI CHETA #2 | K=1 mA / J2 ims for tho: Vico ED: K (Vgs-Vt)2=1 (5-2)2=9mA) => Vos= 5-Rolo (5-Ro (9 MA) > Vgs-Veh 5-9 Ro>3 => 2>9Ro => Ro< = 0.2 K -5 (2) C (M) \$ 0.2K 20 PE -) for o <t<1 ms Vgs (o+)= Ve (o+) + (-5) Vc(ot)= Vc(ot) = 0 => Vgs(ot)= -5 (Ve-> (molesocialis => $-5^{1/3}$ $V_{95}(t)$: $V_{95}(\omega) + (V_{95}(o^{\dagger}) - V_{95}(\omega)) e^{\frac{-t}{2}}$ $V_{95}(t)$: $5 + (-5 - 5) e^{\frac{-t}{2}} = 5 + (-10) e^{\frac{-t}{2}}$ Vgs (0)=50 Z=11xC

$$= \times V_{gs}(t) = 5 - 10e \xrightarrow{\frac{-t}{1mc}} \frac{-\frac{t}{1mc}}{V_{gs} = -0.5} = 5 - 10e \xrightarrow{\frac{-t}{1mc}} \frac{-\frac{t}{1mc}}{V_{gs} = -0.5}$$

$$= -\frac{1\times10^{3}}{1\times10^{6}C} = \times C = 7$$

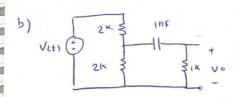
رمنادین برر ۹۸۱۴۳۰۵۳ را امتمان اول تلس یانس



$$tro = \sqrt{tr_i^2 + (\frac{0.35}{f_H})^2} = \sqrt{(50 \times 10^{-9})^2 + (\frac{0.35}{5 \times 10^6})^2}$$

$$\approx 800000 00000 8.60 \times 10^{-8} = 86^{15}$$

1. tilt =
$$\pi \frac{f_L}{f_{in}}$$



$$V_{c}(o^{-}) = V_{c}(\omega) = >$$

$$V_{c}(o^{-}) \cdot \frac{2(-1)}{4} = \frac{-2}{4}$$

$$= -0.5V$$

$$V_{c(o^{+})} = V_{c(o^{+})} = \frac{2(2)}{4} = |V| - > \Delta V = |V|$$

 $Z : \{ 2^{\kappa} | | 2^{\kappa} \} + 1^{\kappa} = 2^{\kappa} = 2^{\kappa} = 2^{\kappa} \times 1^{n_{f}} : 2^{\kappa}$ $V_{o(t)} : V_{o}(\infty) + [V_{o(o^{+})} - V_{o(\infty)}] e^{\frac{-t}{2}}$ $z + (o - 1) e^{\frac{-t}{2} \mu s}$