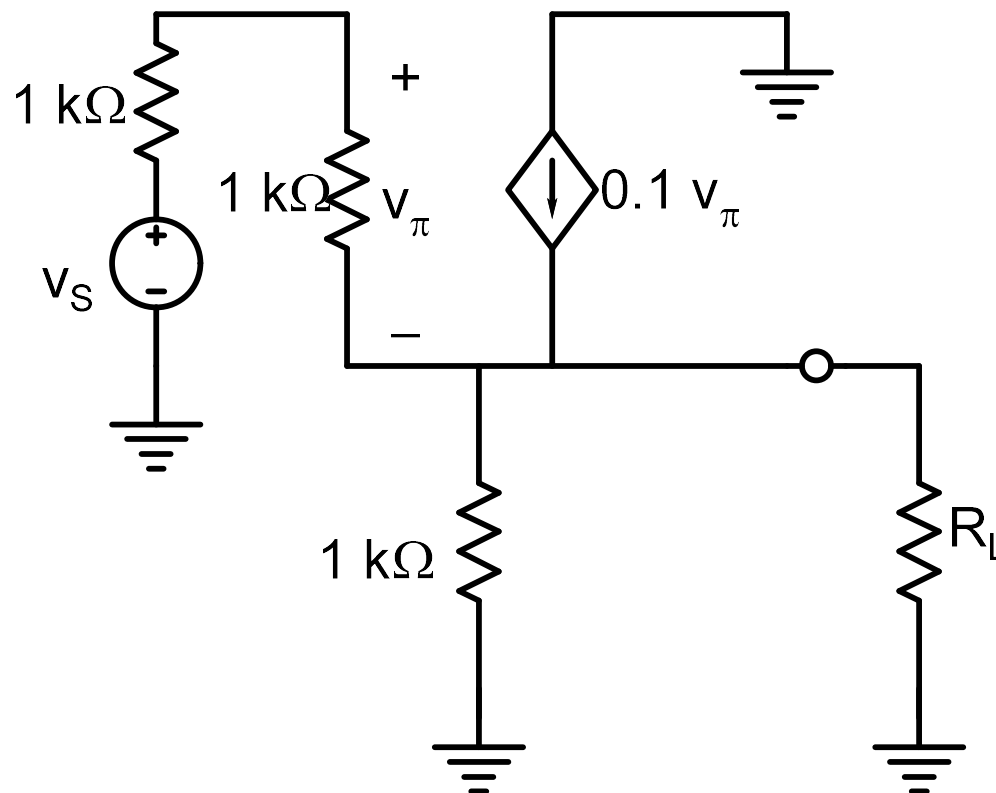


ESC201T : Introduction to Electronics

Quiz-1 (25/9/2020) (Time 6-6.30pm)

Q.1 Determine the value of load resistor R_L for which power dissipated in it would be maximum. Show all relevant steps of your analysis to justify your final answer.----(6 marks)



Q.2 Determine the voltage V_L across the inductor **immediately after** the switch is closed at $t = 0$. Assume that switch was kept open for a time long enough for steady state to prevail. Show all relevant steps of your analysis to justify your final answer-----(4marks)

