



EE 201 Electric Circuits 1

Final Exam

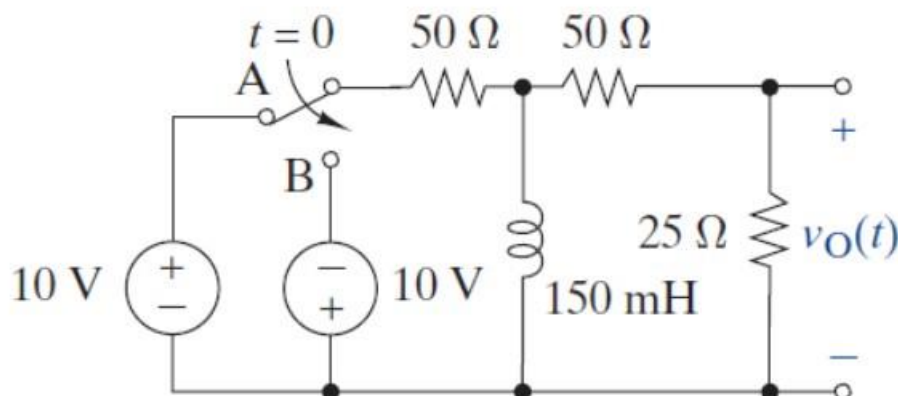
19 April 2021

Name: _____

ID Number: _____

Problem # 4:

The switch in the figure below has been in position **A** for a long time. At $t = 0$, the switch moves to **B**.



- What is the initial current across the inductor ?
- For $t > 0$, the switch is moved to B, what is the time constant, (τ) ?
- Find the current through the inductor for $t \geq 0$.
- Find the voltage across the 25Ω , $V_O(t)$, for $t \geq 0$.