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**COE 360, Principles of VLSI Design, Term 043
Quiz# 6**

Date: Sunday, August 7

Q1. Design a **Resistive-load Inverter** with $V_{OH}=5\text{v}$, $V_{OL}=0.2\text{v}$, and Average DC power $250\ \mu\text{W}$. Assume that $V_{tn}=1\text{v}$ and $\mu_n C_{ox}=50.5\ \text{uA/V}^2$. Assume that the used technology is $0.5\mu\text{m}$.