

EE 203 Electronics I

Quiz # 2

Name:

I.D.#

No.

Sec.# 04

For the circuit shown below, the transistor has $\beta = 50$, $R_B = 10\text{k}\Omega$, $R_C = 1\text{k}\Omega$, and $V_{CC} = 5\text{V}$.

For the each given values of v_I in the table below, the transistor operates in different modes. Thus, complete the table below. (You do not need to justify your answer just think carefully)

v_I	BJT operating Mode	v_O
0V		
1V		
5V		

