## UM-SJTU JI Summer 2019 VE 320 Quiz 7

	Name:	Student ID:
1. How to experimentally measure the contact resistance between a metal and a semiconductor? Please list at least 2 methods and explain.		
0.57		1014
2. The reverse-saturation currents of a pn junction and a Schottky diode are $10^{-14}$ A and $10^{-9}$ A, respectively. Determine the required forward-bias voltages in the pn junction diode and Schottky diode to produce a current of $100  \mu A$ in each diode. Please provide the process of derivation.		