Diodes: Lab Report

Part One: Half-Wave Rectifier

1. TA checkoff for working half-wave rectifier circuit

2. a. Threshold voltage from the multimeter: ________ volts
   b. Measured threshold voltage from the scope: ________ volts
   c. % error: ________ TA checkoff: __________________

Part Two: AC-DC converter

1. a. Time constant of the circuit: ________ seconds
   b. TA checkoff for working AC-DC converter

Part Three: EXTRA CREDIT (4 points)

1. Briefly explain why you don’t see full rectification when you replace the 1k resistor in the half-wave rectifier circuit with a 10M resistor.