

1. Open the switch across the power supply so that the capacitor starts to discharge through the multimeter. Draw a horizontal line to cut the curve at  $0.37V_o$  and determine the value of the time constant  $T$ . 9. Calculate the resistance of the multimeter on the 10V D.C. range. Record the final steady voltage ( $V_o$ ). 2. 3. 4. 5. 6. 7. 8.