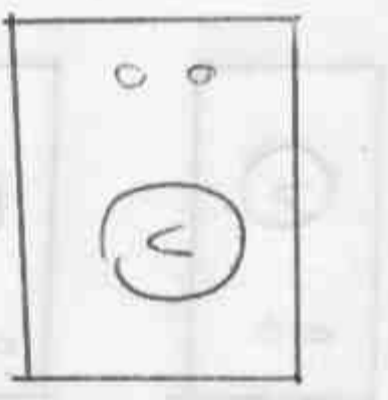
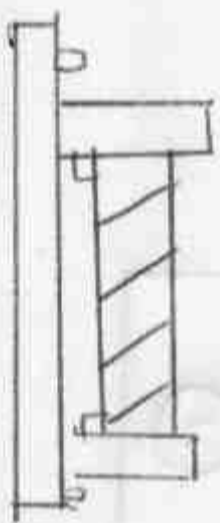


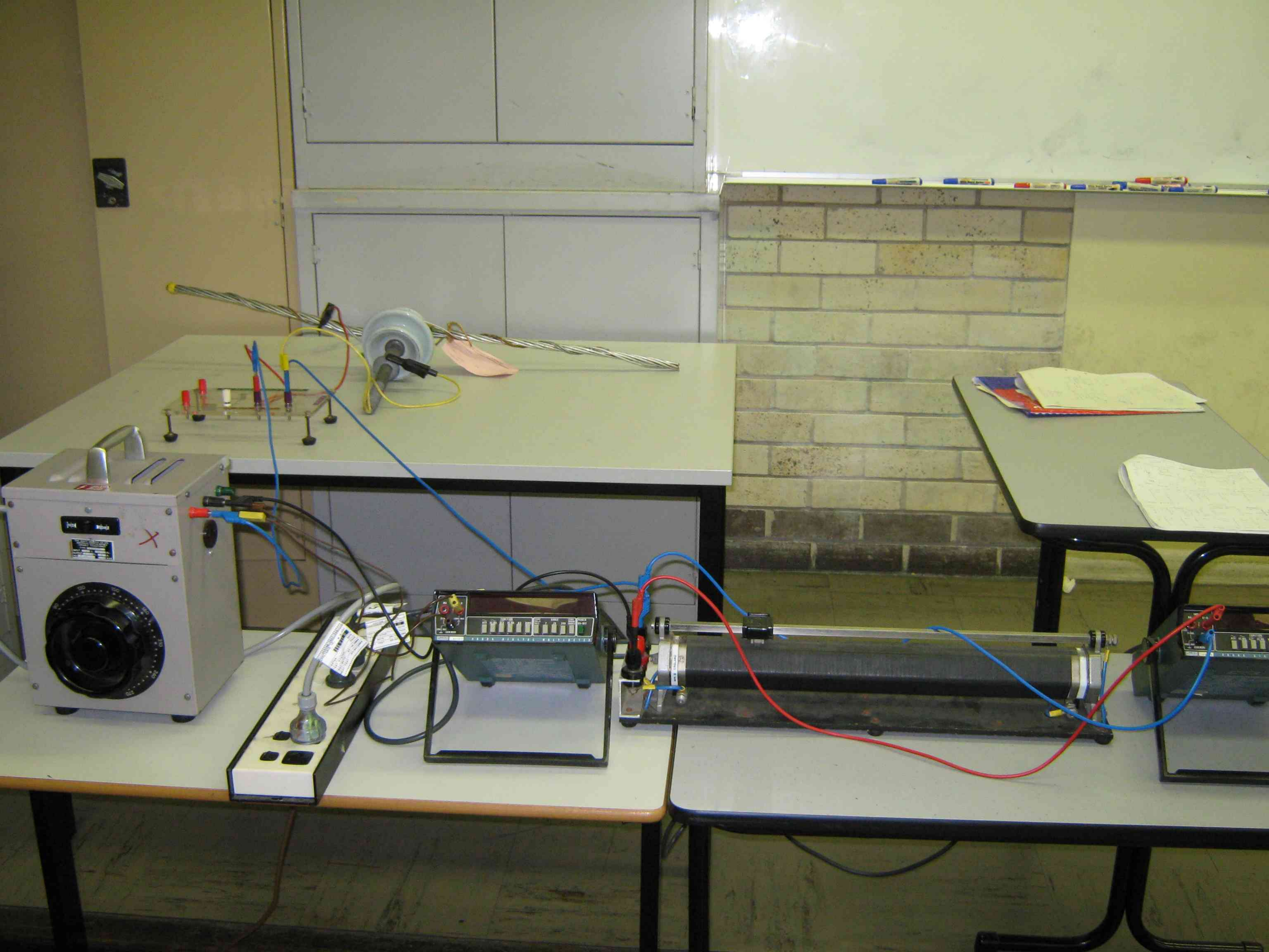
AMNU

④ / (3) Line air capacitance test

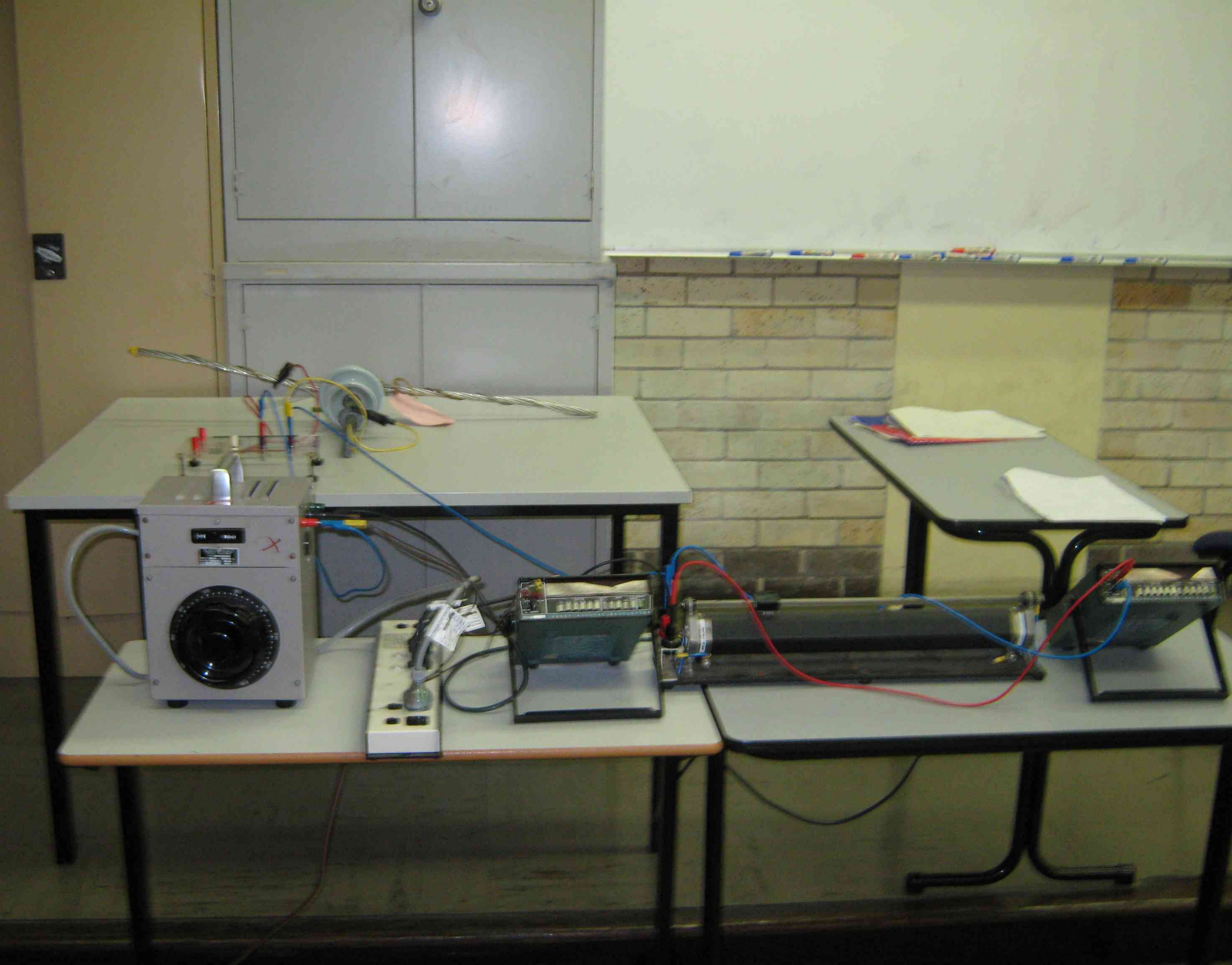


Handwritten text at the bottom of the page, including a signature and some illegible characters.











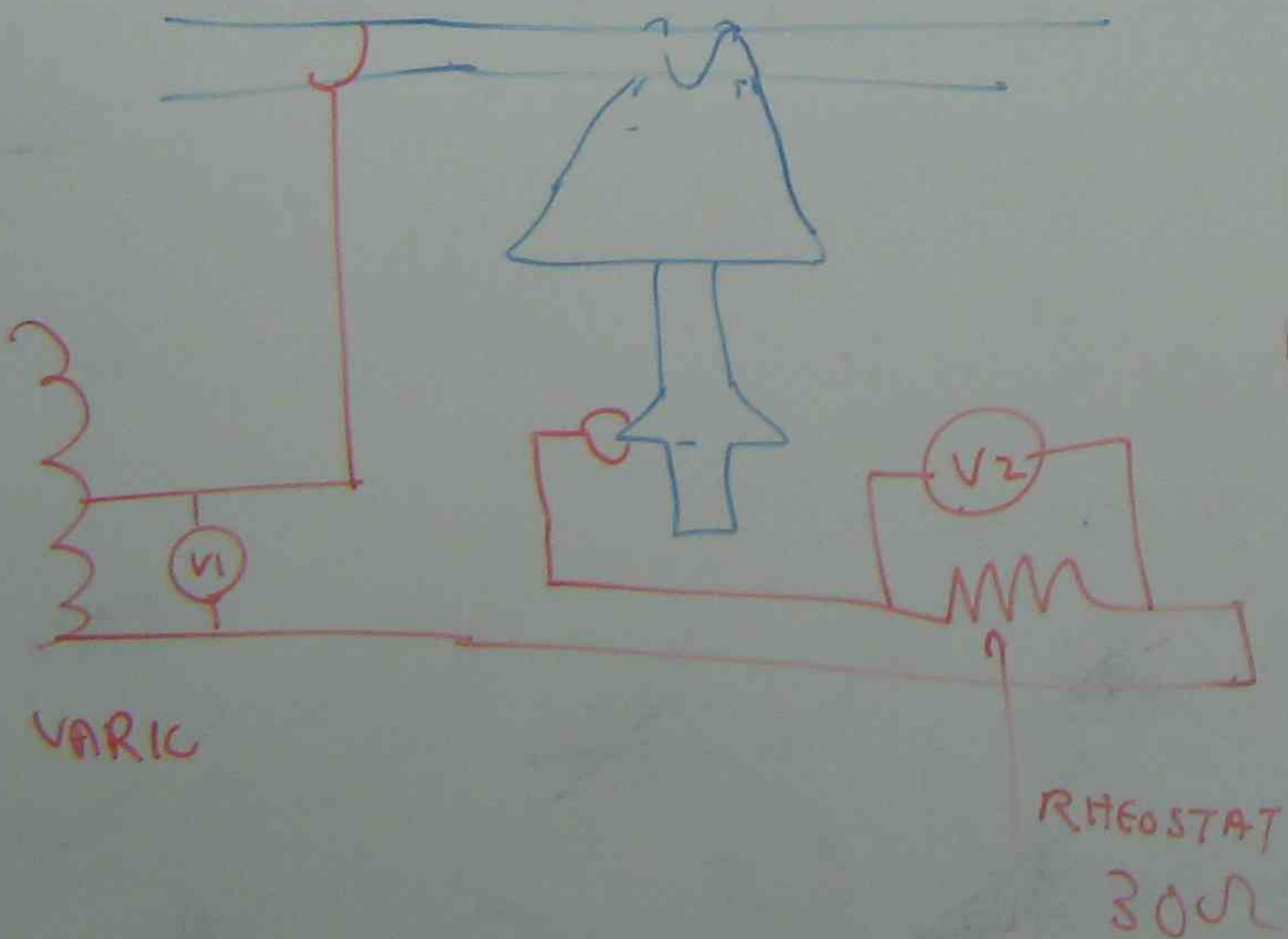
up = 18 chairs desks



# TRANSMISSION LINE PRACTICAL

## ① LINE INSULATOR TEST

(1) CONNECT THE GIVEN CIRCUIT



(2) INJECT  $V_1$  80V

(3) MEASURE  $V_2$

(4) CALCULATE  $I = \frac{V_2}{\text{RHEOSTAT RESISTANCE (30}\Omega)}$

(5)  $X_c = \frac{V_1 - V_2}{I}$

(6)  $C_{80V} = \frac{1}{2\pi f X_c}$  WHERE  $f = 50\text{ Hz}$

REPEAT THE ABOVE STEP FOR 90V & 100V

$C = \frac{C_{80V} + C_{90V} + C_{100V}}{3}$  F

(7) THEN SWITCH OFF THE SUPPLY & OBSERVE WHAT HAPPENS TO  $V_1$



