

EXPERIMENT NO: 10

**Objective:**

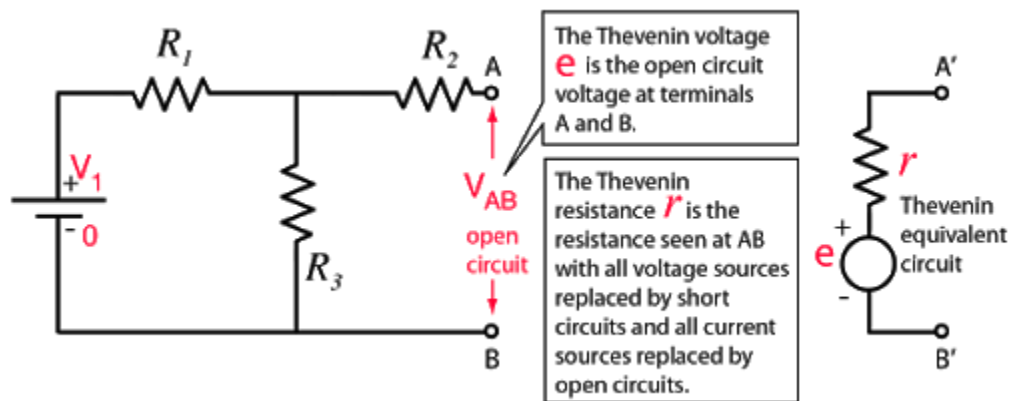
To verify the Thevenin and Norton theorem.

**Materials/ Component Required :**

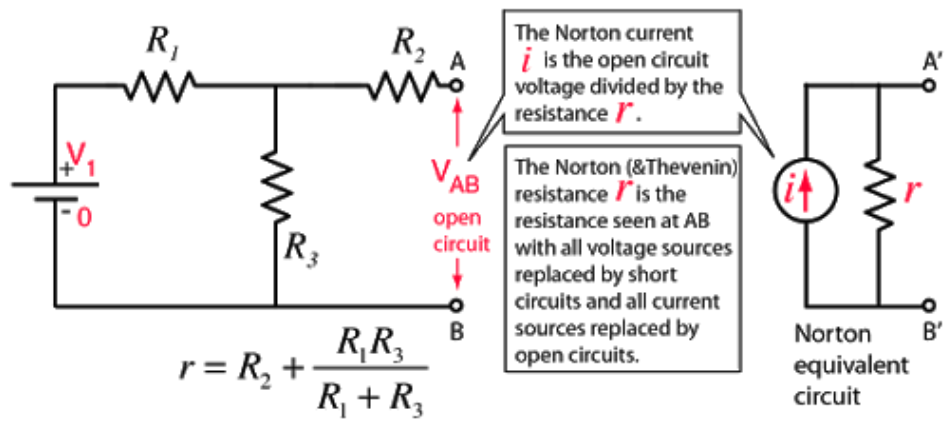
Bread board, resistors, multimeter, DC supply, connecting wires.

**Theory:**

**Thevenin's theorem :** Thevenin's theorem states that "Any linear circuit containing several voltages and resistances can be replaced by just one single voltage in series with a single resistance connected across the load".



**Norton's theorem:** Norton's theorem states that "Any linear circuit containing several energy sources and resistances can be replaced by a single Constant Current generator in parallel with a Single Resistor".



**Calculation:**

**Result:**