H

Higher Assignment  
Guide Sheet B: Capacitance



**A diagram of a circuit

Description automatically generated**

**Instructions:**

* Connect the circuit as shown in the circuit diagram.
* An oscilloscope may be used in place of the voltmeter.
* Set the output of the signal generator to about 3 V.
* Vary the source frequency and record readings of current and frequency using a range of 100 Hz to 1 kHz.
* Ensure that the supply voltage remains constant.
* Use an appropriate format to show the relationship between current and frequency.