Experiment 2
Equipment and Instruments in the Lab
Pre-Lab Report

Question 1:
Define the main use of a breadboard.

The breadboard is a plastic perforated board on which we build our circuit. It has many strips of metal that are connected to holes at the top and run underneath out the board. The legs of the components are placed in the holes to hold it in place.

Question 2:
How many DC supply are there in the Tektronix PS280 and what are their voltage and current ranges?

It provides three DC supply one fixed (5 volts 3A) and two variable DC power supplies. For the variable supplies the voltage range is 0 to 30v and current 2A.

Question 3:
What type of electrical measurment can the Fluke 45DMM perform?

Fluke 45DMM can measure AC and DC voltages and AC and DC currents . In addition it can measure resistance and diode voltage drop.

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Question 4:

What type of waveform can the HP Agilent 33120A supply?

It supplies time-varying signals. it supplies three types of signals: square, triangular, and sine wave.

Question 5:

In the Tektronix TDS220 oscilloscope, what type of measurment does the "measure" function provide?

The Tektronix TDS 220 provides the following measurement: Peak-to-peak, RMS, Frequency,Period, Mean.