

Northern University Of Bangladesh

Experiment No-1: Introduction to Electrical Circuit Lab Components

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Semester : 8

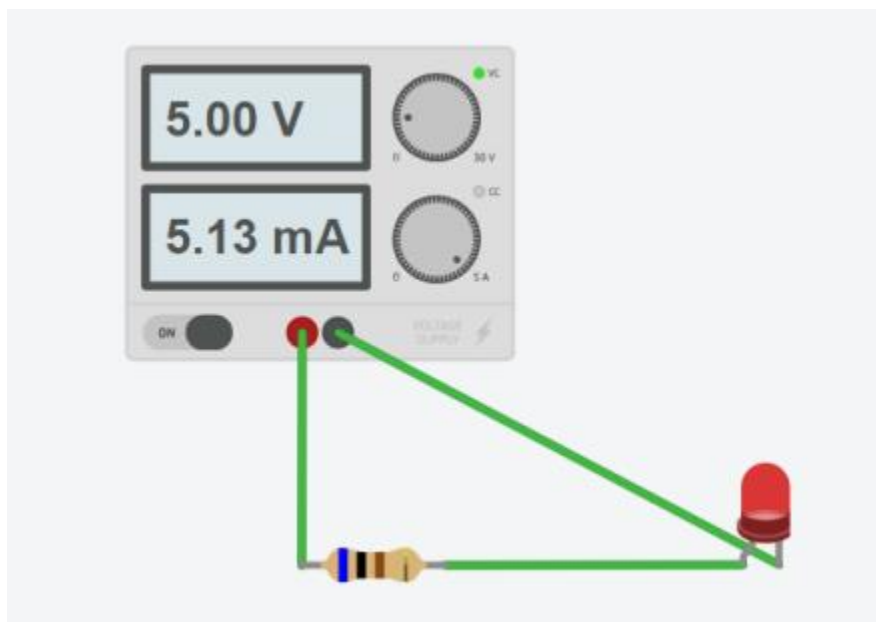
Section : A

Course Name : Electrical Engineering & Circuit Analysis Lab Course

Code : CSE 1259

Result and Discussion :

1. There are 2 types of source, DC and AC. DC voltage is always constant voltage. In contrast, AC voltage periodically changes from positive to negative and from negative to positive.
2. In a circuit if we want to give a DC source as an input, then we need a Power supply. We can change the parameters (voltage, current) within limits.
3. In a circuit if we want to give an AC source as an input, then we need a Function Generator. We can change the parameters here too within limits
4. With a Multimeter we can measure Amperage, Voltage and Resistance.
5. We built a light circuit comprised a DC power source(5V & 5A), resistor and a led bulb



Here in this light circuit 5V goes through the DC power supply where the resistor drops some voltage and the rest voltage is dropped by the led bulb. We checked how much voltage resistor dropped using multimeter which is 3.08V