**Microprocessor Lab**

Laboratory Activity No. 1

**Familiarization with TinkerCAD**

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Score

*Submitted by:*

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1. Exercise

a. A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called \_\_\_\_\_Prototyping\_\_\_\_\_\_\_\_.

b. In Tinkercad, \_\_\_\_\_\_Simulation\_\_\_\_\_ tests the working of the circuits and the components.

c. The device used to assemble and connect the various components is known as \_\_Breadboard\_\_\_\_\_\_\_\_

d. In an electronic circuit with LED, the positive end of the circuit should be connected to

\_\_Anode\_\_\_ and negative end should be connected to \_\_\_\_\_Cathode\_\_\_\_\_\_ of the LED.

e. A \_\_\_\_\_\_\_Resistor\_\_\_\_\_\_\_\_\_ is used to restrict the flow of current to electrical components

2. Label the following:

1. Anode and Cathode in a LED



Cathode Anode

1. Different parts of breadboard



**EDGE Main Area**

1. List the electronic components used in a circuit assembly

* Resistors
* Capacitors
* Diodes
* Transistors
* Connectors
* Power Supply