Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Course yr. and section: \_\_\_\_\_\_\_\_\_ Instructor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Laboratory Work No.5

**IR REMOTE CONTROL**

I. Objectives

To know the operation and utilize of IR Remote Control in a circuit.

To simulate the design a circuit using Arduino simulator.

II. Materials

TinkerCAD Arduino simulator

III. Problem

Instruction: Upload the video simulating the circuit on the week tab of the courseware and paste your codes on the box provided after each problem.

1. Create a program and design a circuit using an IR sensor and remote that will light up 10 LEDs in digital pins of Arduino board. In serial monitor, it should display the corresponding input keys of the remote.

2. Create a program and design a circuit using an IR sensor and remote that will rotate a dc motor in digital pins of Arduino board.

IV. Discussion

V. Conclusion