

## **Lab Report Points:**

**1. Experiment name**

**2. Objectives**

**3. Apparatus**

**4. Theory (write in your own words):** Students should briefly explain the theory in their own words.

**5. Circuit Diagram:** Circuit diagram(s) used in the experiment should be clearly drawn.

**6. Experimental Procedure (write in your own words):** Students should briefly explain the entire experimental procedure in their own words.

**7. Simulation:** In this section, students should include simulation results with simulated circuit diagram (Write your name and ID inside the simulation as text).

**8. Experimental Data Table:** In this section theoretical/computed, simulated, and measured/practical values should be shown in tabular form. All curves must be drawn with suitable titles, units and scales on both axes.

**9. Results:** In this section, students should compare all the results (theoretical, simulated, and practical) collected during the lab experiment.

**10. Questions and Answers (Q/A):** In this section, students should answer all the questions mentioned in the lab manual. They should also answer questions and tasks given by the lab instructor.

**11. Discussion (write in your own words):** Here the students should write a brief conclusion.

For example, write down what you have achieved from the experiment and you should also mention the differences between the theoretical and simulated results, probable sources of errors and the methods of reducing them and personal opinions about the experiment.

### **Report Writing Guidelines:**

1. Firstly, write your Name, ID, Course, Section, Submission Date etc. on the attached cover page.
2. Take a number of A4 size or any other appropriate size white papers.
3. Write the lab report with clear handwriting, include all the necessary points. Draw and label the figures properly, provide the current direction and voltage polarity for each circuit (if any).
4. Submit in the classroom before deadline.

### **Reminder:**

1. Attach the cover page with the lab report.
2. Write your name and ID inside the simulation as text.
3. You can use graph paper to plot graph.
4. No copy paste. All types of copy paste and sharing reports with each other are strictly prohibited. For any problem consult with your lab instructor.
5. Submission after deadline is not allowed at all.