

## Lab Report Instructions:

(write the report in the following order)

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. **Results:** In this section, students should compare all the results (theoretical, simulated, and practical) collected during the lab experiment.
8. **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.
9. **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.
10. **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.
11. **Simulation:** In this section, students should include simulation results with simulated circuit diagram (Write your name and ID inside the simulation as text).

## 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, make sure all the papers are of same size.
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. Write your name and ID inside the simulation and all diagrams as text.
5. You can use graph paper or excel to plot graphs.
6. No copy paste. All types of plagiarisms will be strictly penalized.
7. One week time for each Lab report submission. 40% marks will be deducted for Late submission and plagiarism.
8. All submissions are due at the beginning of the class.