



East West University

Department of CSE

LAB REPORT

Course Code and Name: CSE251 Electronic Circuits		
Experiment no:03		
Experiment name: To study the diode applications in clipping and clamping circuits		
Semester and Year: Spring 2023	GROUP NO:08	
Name of Student: 1. B M Sharhia Alam ID: 2021-3-60-016 2. Tasmiah Rahman Orpa ID: 2021-3-60-021 3. Umma Habiba Ahmed ID: 2021-3-60-047 4. Sidratul Moontaha ID: 2021-3-60-048	Course Instructor information: M Saddam Hossain Khan Senior Lecturer, Department of Computer Science and Engineering East West University	
Date of Report Submitted: Mar 24, 2023	Pre-Lab Marks:	
	Post Lab Marks:	
	TOTAL Marks:	

Abstract:

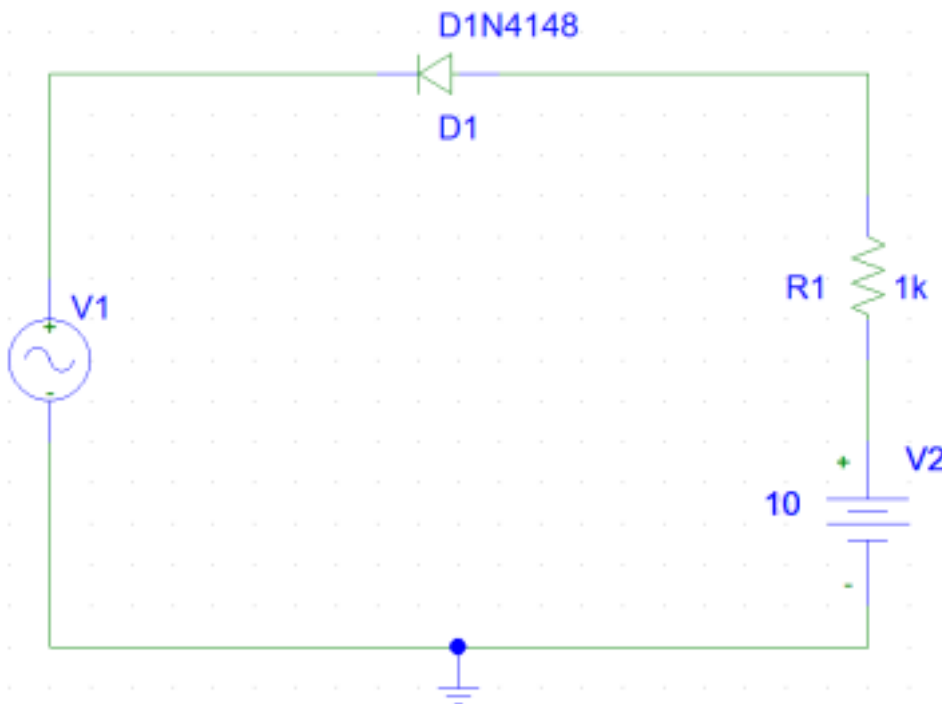
A lab report is a published report on testing that uses experimental methods whose purpose is to record the results of an experiment and to communicate the findings in a way which is scientifically acceptable as well as understandable. The targets of the lab report are to summarize data gathered in an experiment and present it in a readable manner, contribute to the accumulation of information, and will be acknowledged until superseded by more advanced work, etc. This lab is important because it allows us to familiarize ourselves with the diode applications in clipping and clamping circuits.

Objective:

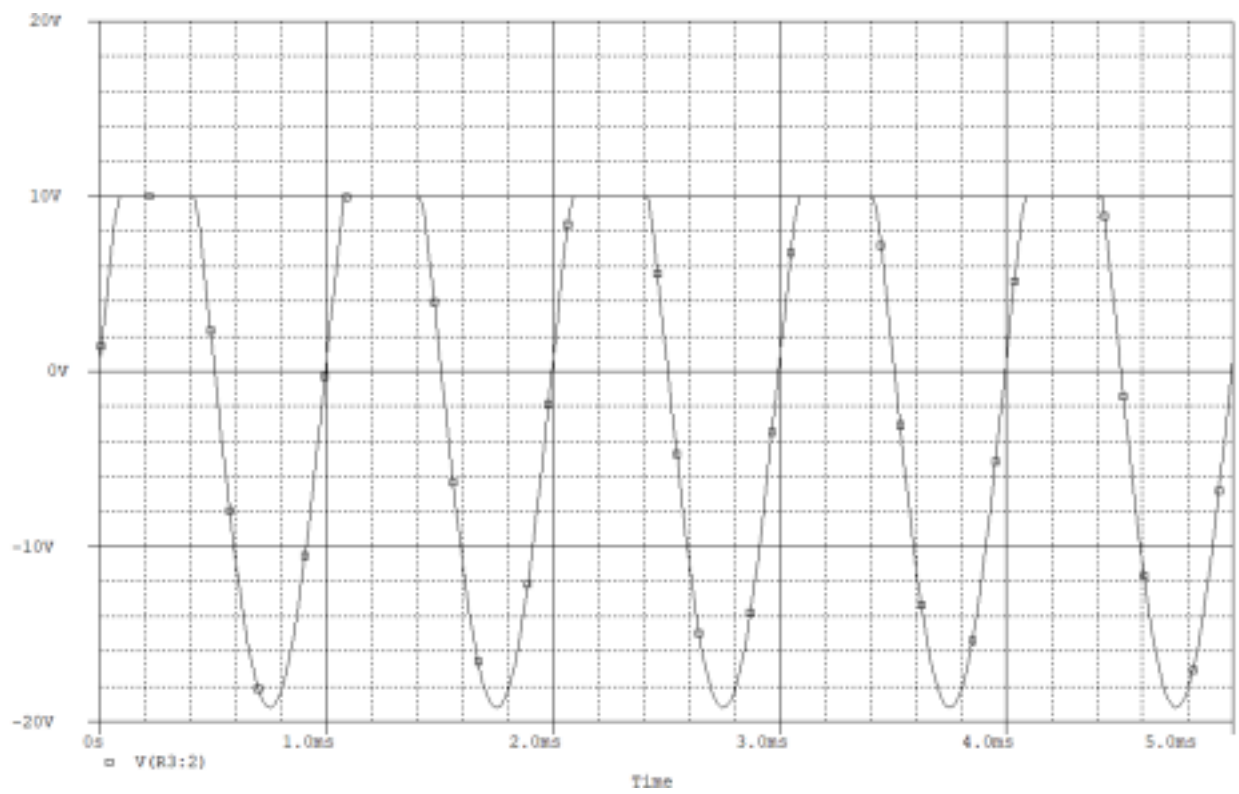
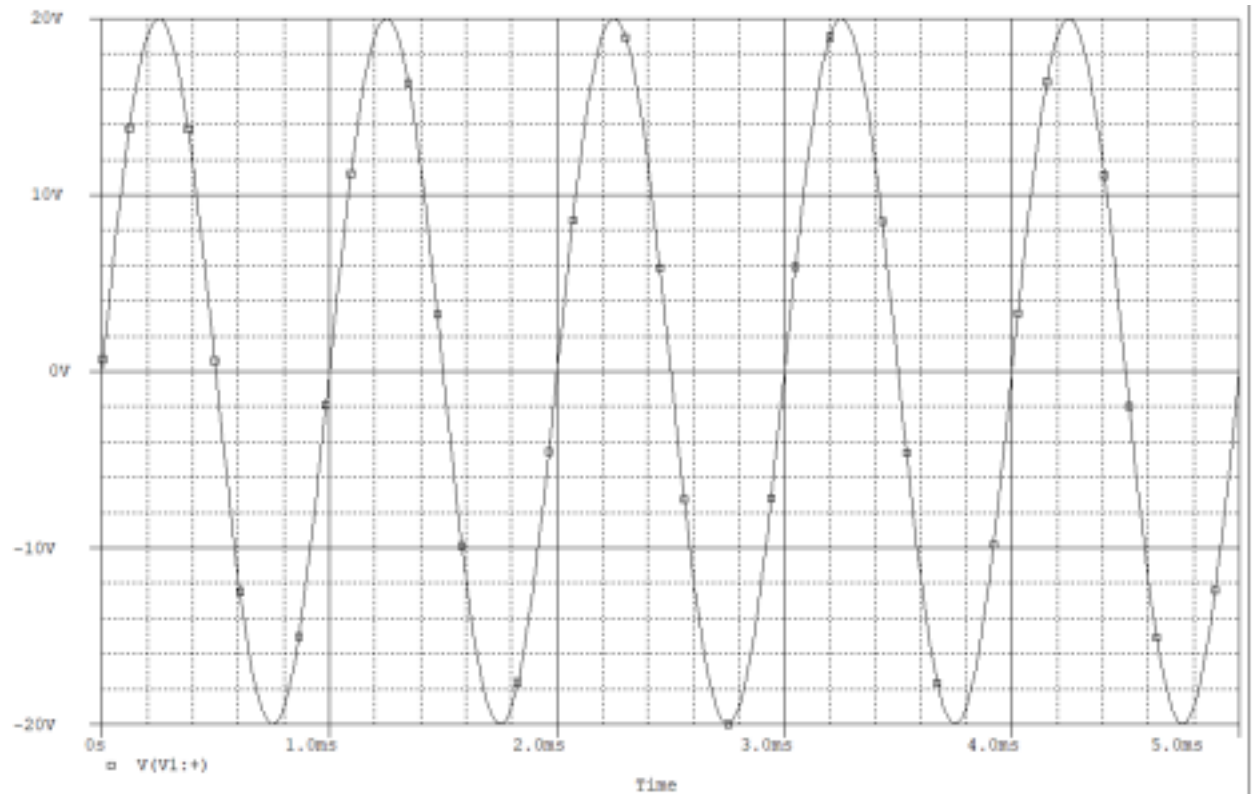
1. To observe the waveforms of the various types (Positive and Negative) of clipper circuits.

Ans 1:

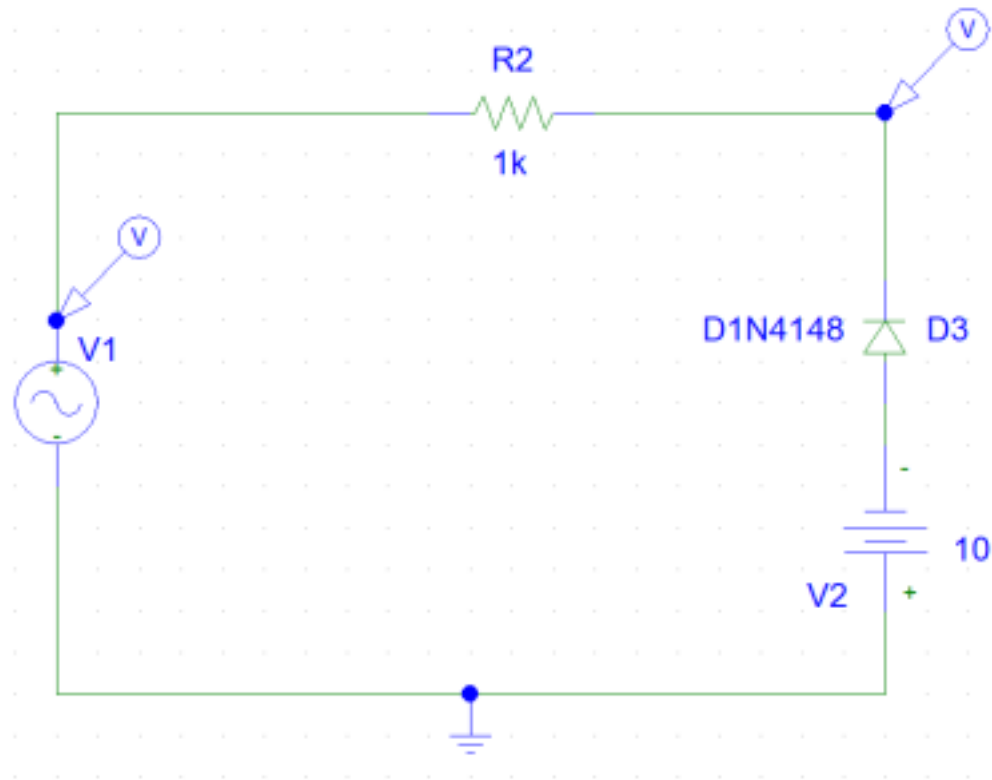
Circuit Diagram 1:



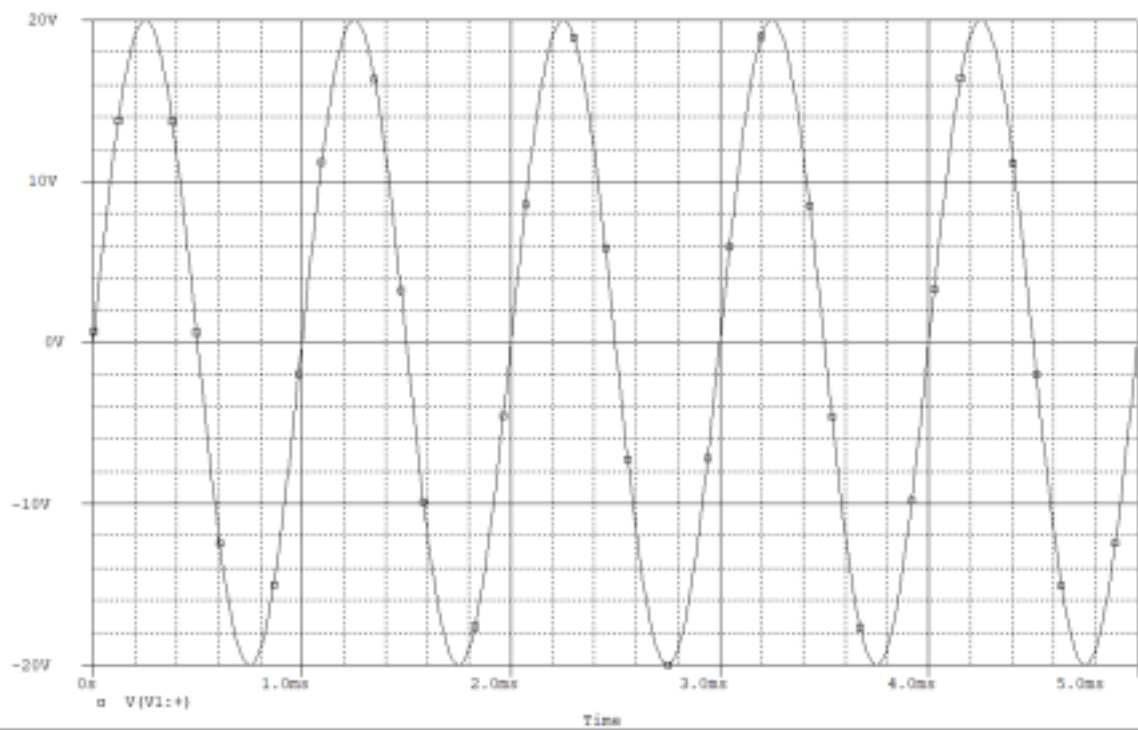
Simulation:

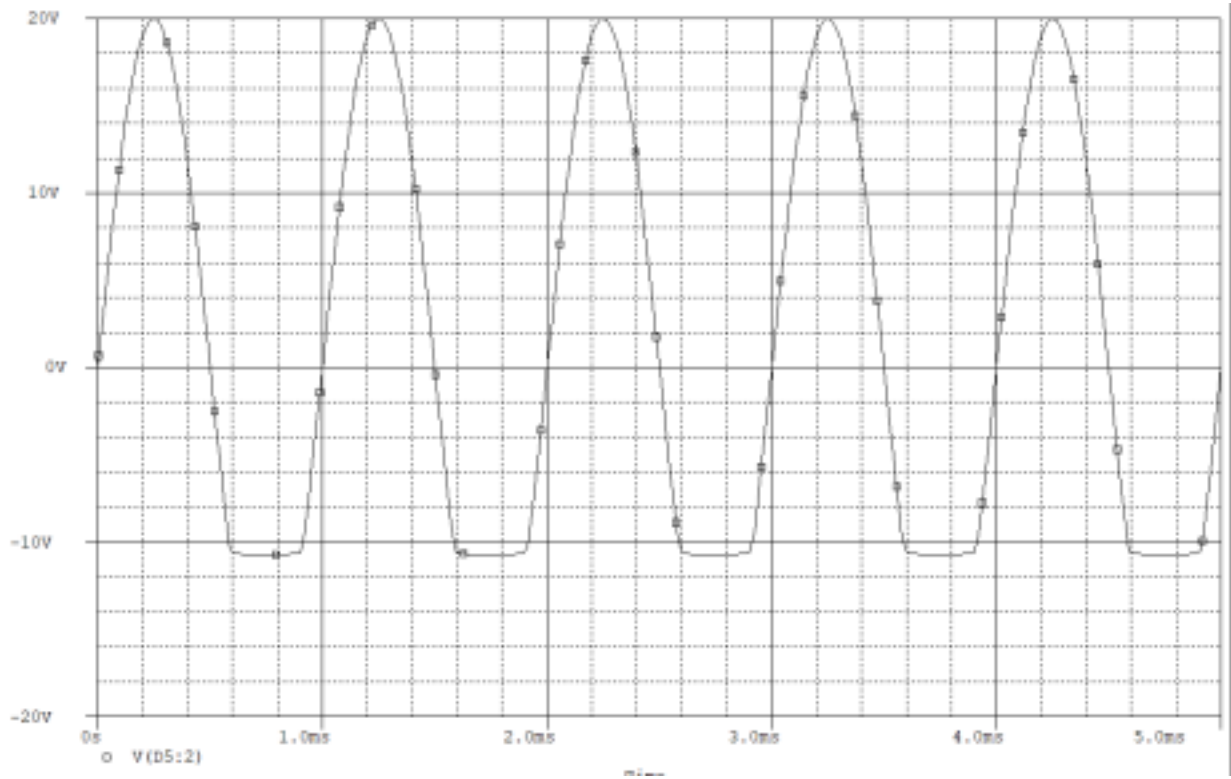


Circuit Diagram 2:



Simulation:

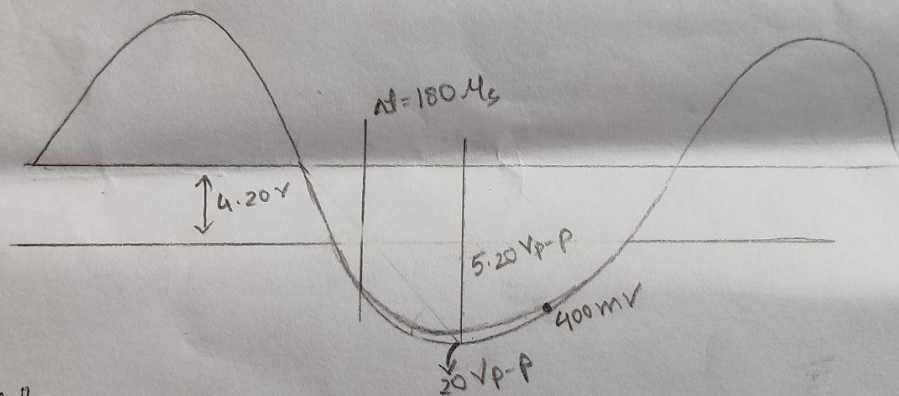
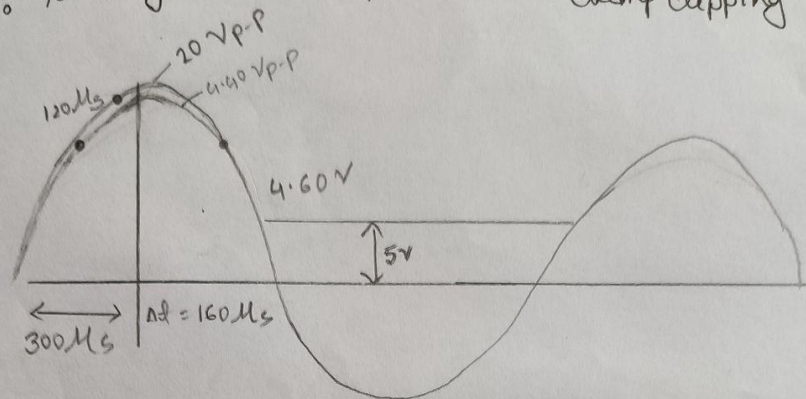




Experiment number: 03

Group: 08

Name: to study the diode applications in clamp clipping circuits.



Names:-

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24/3/23

Conclusion:

The Clipper circuit design output waveforms have been studied and the required parameters are compared. Today's lab is about the understanding of clippers, what are clipper circuits, how and why they are formed and how to use diodes to make clipper circuits. Moreover, to analyze the working of diodes in limiters or clippers and to find the waveforms. At the end, all the required values and circuits are obtained with the help of an oscilloscope.

