Item	Content
Introduction	This section describes, in general terms, the scope of the experiment and its relevance to the field of study you are engaged in. A statement of objectives should be given along with general comments about how the experiment will be carried out.
Background knowledge	This section reviews the related knowledge to the experiment, including the information provided in the lab script, knowledge in the lecture notes, and any other things students find relevant and helpful to the lab.
Procedure and results	Experiment 1 • Commission of the firing circuit • Calculation and measurement results of the single-phase half-wave controlled rectification circuit on R load • Calculation and measurement results of the single-phase half-wave controlled rectification circuit on RL load • Answers to the questions in subsection (5) Experiment 2 • Commission of the firing circuit • Calculation and measurement result of the single-phase full-wave controlled rectification circuit on R load • Calculation and measurement result of the single-phase full-wave controlled rectification circuit on RL load • Answers to the questions in subsection (6)
Analysis and discussions	Error analysis and Discussion: • Answer the questions asked in the lab script; • Perform error analysis; • If your results are not close to the real values, discuss the reasons.
Conclusions	It is a concise statement of what has been learnt from or confirmed by the experiment. This section must be consistent with earlier sections. Usually, a short paragraph is used here to summarise the most important findings.