

PHYSICS 12

DESCRIPTION OF THE PROVINCIAL EXAMINATION

The Table of Specifications outlines the curriculum organizers, sub-organizers, and the cognitive level emphases covered on the provincial examination. A detailed description of examinable material within each curriculum organizer will be found in the *Physics 11 and 12 Integrated Resource Package, 1996*.

The provincial examination is divided into **two** parts:

PART A: There will be 35 **multiple-choice** questions worth **70%** of the examination.

Most of these questions will be problems requiring an understanding of basic definitions, concepts, and the use of single equations, while a few questions may be more complex.

PART B: There will be 6 **written-response** questions worth **30%** of the examination.

Most of these questions will be problems requiring an understanding of basic concepts while some may require an explanation of basic concepts.

In answering the written-response questions the following points should be noted:

1. Students are expected to communicate their knowledge and understanding of physics principles in a clear and logical manner. Partial marks will be awarded for steps and assumptions leading to a solution. Full marks will **not** be awarded for providing a final answer **only**.
2. If students are unable to determine the value of a quantity required in order to proceed, they may assume a reasonable value and continue toward the solution. Such a solution, however, may not be eligible for full marks.
3. Final answers must include appropriate **units**.
4. Marks will not be deducted for answers expressed to **two** or **three** significant figures.

The provincial examination booklet will contain the tables of constants, mathematical equations, and basic physics formulae found in Appendices II, III and IV.

This examination is designed to be completed in **two hours**. *Students may, however, take up to 60 minutes of additional time to finish.*