

GEORGES RIVER COLLEGE - OATLEY SENIOR HIGH SCHOOL

PRELIMINARY EXAMINATION

Subject: 2 U Physics
Course: Preliminary.
Task Number: 2 of 4
Marks: 55
Weighting: 15%
Length: 1 hour plus 5 min reading time
Date / Time: THURSDAY 1st JUNE 2017 – Session 1

Outcomes to be assessed:

- P2 applies the processes that are used to test and validate models, theories and laws of science with particular emphasis on first-hand investigations in physics
- P3 assesses the impact of particular technological advances on understanding in physics
- P5 describes the scientific principles employed in particular areas of physics research
- P7 describes the effects of energy transfers and energy transformations
- P11 identifies and implements improvements to investigation plans
- P12 discusses the validity and reliability of data gathered from first-hand investigations and secondary sources
- P13 identifies appropriate terminology and reporting styles to communicate information and understanding in physics
- P14 draws valid conclusions from gathered data and information

Topics:

Written test assessing the first two topics in the preliminary course -

Electricity in the Home
and **Moving About (subsections 1 & 2 ONLY)**

This examination consists of two parts:

Part A: 15 one mark multiple choice questions

Part B: short answer and extended response questions (total marks = 40)

NB: In the event of a missed or late task, assessment rules apply.

Criteria:

Marks will be awarded on your ability to:

- Give correct responses.
- Write clearly expressed and well organized answers.
- Apply terms / show an understanding of topic area/concepts.
- Draw conclusions from secondary experimental results / data.