

# SCIENCE

## INTERACTIVE ASSESSMENT QUESTIONS BASED ON STANDARD PRACTICAL EXERCISES FOR REVISION AND EXAMINATION PRACTICE

### Physics Part I

#### PRACTICE TEST VERSION

IN THIS PRACTICE TEST VERSION NO MARKING OR ANSWERS ARE VISIBLE ON SCREEN, BUT TOTALS AND PERCENTAGES ARE SHOWN. NO HELP BOXES ARE AVAILABLE.

ON THE PRINT-OUT THE STUDENT'S RESPONSES, MARKS, TOTALS AND PERCENTAGES ARE ALL VISIBLE, BUT CORRECT ANSWERS ARE NOT SHOWN.

The questions are of the Multiple Choice style, where the phrase “Which ONE of the following ...” is implied, but is not always stated. So that students are reminded of the type of question that requires short written answers, which unfortunately cannot be automatically marked, each topic has one short passage with missing words, which must be identified in their correct sequence.

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**NB** The practical work presented should be familiar to students, either as a demonstration or as an experiment they might have carried out themselves in the lab. The illustrated material is NOT presented as a practical guide, and while the procedures were carried out according to recommended safety guidelines, specific safety issues are NOT dealt with.

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## CONTENTS

The following practical topics have been selected according to exam question frequency to form the basis of revision and examination practice.

FOR THE CORRECT FINAL TOTAL AND PERCENTAGE THE ENTER BUTTON AT THE BOTTOM LEFT OF EACH PAGE MUST BE CLICKED ON.

### Part 1

Refraction

Total Internal Reflection

Sound Waves

### Part 2

Transfer of Thermal Energy

Transfer of Electrical Energy

### Part 3

Series and Parallel Circuits

Voltage and Current Characteristics

Potential Divider Circuits