UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the NOVEMBER 2004 question paper

0652 PHYSICAL SCIENCE

0652/05   Paper 5 (Practical Test), maximum raw mark 30

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the *Report on the Examination*.

• CIE will not enter into discussion or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the November 2004 question papers for most IGCSE and GCE Advanced Level syllabuses.

UNIVERSITY *of* CAMBRIDGE
International Examinations

Grade thresholds taken for Syllabus 0652 (Physical Science) in the November 2004 examination.

	maximum mark available	minimum mark required for grade:			
		A	C	E	F
Component 5	30	23	13	10	8

The threshold (minimum mark) for B is set halfway between those for Grades A and C.
The threshold (minimum mark) for D is set halfway between those for Grades C and E.
The threshold (minimum mark) for G is set as many marks below the F threshold as the E threshold is above it.
Grade A* does not exist at the level of an individual component.

INTERNATIONAL GCSE

MARK SCHEME
MAXIMUM MARK: 30
SYLLABUS/COMPONENT: 0652/05 PHYSICAL SCIENCE Paper 5 (Practical Test)

1 Table

      Four times recorded in seconds

      Times increase

      One mark for each time if within 20% of SV   **[6]**

Graph

      Axes correctly labelled

      Suitable scales

      Plotting correct

      Suitable line   **[4]**

      Time taken correct from graph   **[1]**

(d) using graph to answer in terms of rate (not time)   **[1]**

(e) weighing magnesium

      collect and measure gas volume

      drawing is suitable   **[3]**

      Total [15]

2 **(a)** value for f_1 similar to supervisor

      values f_2 and f_3 recorded

      average correct   **[3]**

    (b)

between F and 2F	smaller	inverted
at 2F	same	inverted
beyond 2F	larger	inverted

      [9]

(c) both lines correctly drawn

      correct measurement for height of line

      accuracy   **[3]**

      Total [15]