UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2006 question paper

0620 CHEMISTRY

0620/05 Paper 5 (Practical Test), maximum raw mark 40

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 instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

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.

The grade thresholds for various grades are published in the report on the examination for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses.

- CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2006 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

UNIVERSITY of CAMBRIDGE
International Examinations

1 Table of results Experiments 1, 2 and 3

Initial and final temperature boxes correctly completed(2)

Comparable to Supervisor(2)

Observations

Zinc	fizz/bubbles(1)	colour of solution paler/brown(1)
Iron	colour of solution paler(1)	brown/red residue(1)
Magnesium	lighted splint pops(1)	

[9]

(a) (i) magnesium(1)

(ii) highest (temperature) difference(1)

bubbles given off (most) rapidly/ most vigorous reaction(1)

not reference to reactivity series **[2]**

(iii) hydrogen(1) **[1]**

Experiments 4 and 5

Magnesium and zinc temperature boxes correctly completed(1)

Comparable to Supervisor(2) **[3]**

(b) Graph points plotted correctly(2) smooth line graphs(1) labels(1) **[4]**

(c) temperature from graph(1) any indication on graph(1) **[2]**

sub total [22]

2 (a) reference to solid smaller/sublimate description e.g. white solid(1)

indicator paper turned blue(1) then red(1) **[3]**

(c) (i) colour(1) pH(1) eg green/orange <7 **[2]**

(ii) indicator/litmus turns blue(1) reference to smell(1) **[2]**

(iii) white(1) precipitate(1) **[2]**

(iv) white precipitate(1) **[1]**

(d) (ii) yellow(1) precipitate(1) **[2]**

(iii) yellow(1) precipitate(1) **[2]**

(e) ammonia(1) **[1]**

(f) ammonium(1) chloride(1) **[2]**

(g) iodide(1) **[1]**

sub total [18]

[Total for paper 40]

© UCLES 2006