CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2012 series

0620 CHEMISTRY

0620/53 Paper 5 (Practical), maximum raw mark 40

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1 **(a)** table of results for experiment 1
initial temperature box completed correctly (1)
other temperature boxes correctly completed (1)
comparable to supervisors (1) [3]

(b) table of results for experiment 2
initial temperature box completed correctly (1)
other temperature boxes correctly completed (1)
comparable to supervisors (1) [3]

(c) all points correctly plotted (3), –1 for any incorrect
best fit smooth line graphs (2)
labels (1) [6]

(d) value from graph (1) shown clearly (1) [2]

(e) exothermic (1) [1]

(f) **(i)** experiment identified from results obtained (1) [1]

(ii) acid H is more concentrated/stronger (1) [1]

(g) room/initial temperature from table (1)
reaction finished owtte (1) [2]

2 **(a)** green [1]

(b) green (1) (precipitate)
turns brown/rusty at top (1) [2]

(c) effervescence/fizz/bubbles (1)
glowing splint (1) glows brighter/relights/burns (1) [3]

(d) green precipitate (1) [1]

(e) no reaction/change (1) [1]

(f) white (1) precipitate (1) [2]

(g) blue (1) [1]

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(h) green/white/blue (1) according to supervisor's precipitate (1)
turns green (1) [3]

(i) fizz/bubbles/ammonia (1)
litmus/indicator paper blue/purple (1) [2]

(j) iron(1) (II) (1)
sulfate (1) [3]

(k) transition metal (1)
nitrate (1) [2]

[Total: 40]

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