Practice Question Set For A-Level
Subject : Chemistry
Paper-1 Topic: Inorganic 1

Merit Minds
www.merit-minds.com
Exam Preparation and Free Resources

Name of the Student:_____
Max. Marks : 14 Marks **Time : 14 Minutes**

Mark Schemes

Q1.

(a) decreases;
1

increase in shielding ;
1

(or atomic radius)
less attraction for bonding *(or shared)* electrons;
1

(b) brown solution;
1

(or black solid)
$Cl_2 + 2KI \rightarrow 2KCl + I_2$;

(or ionic equation)
1

(c) SO_2;
1

$SO_4^{2-} + 4H^+ 2e^- \rightarrow SO_2 + 2H_2O$;
1

S (also H_2S);
1

$SO_4^{2-} + 8H^+ 6e^- \rightarrow S + 4H_2O$ (or $SO_4^{2-} + 10H^+ + 6e^- \rightarrow H_2S + 4H_2O$)
1

(d) $Cl_2 + 2NaOH \rightarrow NaCl + NaOCl + H_2O$;
1

sodium chloride;
1

–1;
1

sodium chlorate(I) (or bleach etc);
1

+1;
1

[14]

Downloaded from www.merit-minds.com