(CHEMISTRY) **ELECROCHEMISTRY**

DPP – 03

CLASS – 12th

TOPIC – NCERT QUESTIONS

Q.1 Arrange the following metals in the order in which they displace each other from their salts.

Al, Cu, Fe, Mg and Zn

Q.2 Given the standard electrode potentials,

K^+/K=-2. 93 V, Ag^+/Ag = 0.80 V, Hg^{2+}/Hg =0.79V, Mg^{2+}/Mg=-2.37V, Cr^{3+}/Cr=0.74V.

Arrange these metals in their increasing order of reducing power.

SOLUTION

(CHEMISTRY) ELECTROCHEMISTRY

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Sol.1 Mg, Al, Zn, Fe, Cu.

Sol.2 : Higher the oxidation potential more easily it is oxidized and hence greater is the reducing power. Thus, increasing order of reducing power will be

Ag<Hg<Cr<Mg<K.