CHEMISTRY-11	Chapter#10 (Complete - Smart Syllabus) Test-1		
	Name:	Class:	ID:
Date: / /	**Marks Total: 25**	**Marks Obtained:**	
Time Allowed: 40 Min.			

Maximum Marks: 09 **(OBJECTIVE TYPE)** Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

1. **Which of the following statements is not correct about galvanic cell?**
   (a) Anode is negatively charged (b) Reduction occurs at anode
   (c) Cathode is positively charged (d) Reduction occurs at cathode
2. **Stronger the oxidizing agent, greater is the:**
   (a) Oxidation potential (b) Reduction potential
   (c) Redox potential (d) E.M.F. of cell
3. **The oxidation number of chromium in Cr_2O_3 is:**
   (a) +6 (b) -6 (c) +3 (d) +4
4. **Which one is not an electrolyte?**
   (a) Aqueous NaCl (b) Cu metal (c) Molten NaCl (d) H_2SO_4
5. **In super oxides, the oxidation number of O is:**
   (a) 0 (b) $-\frac{1}{2}$ (c) -1 (d) -2
6. **Magnesium and calcium metals are obtained by the electrolysis of their fused:**
   (a) Oxides (b) Sulphides (c) Chlorides (d) All
7. **The reduction potential of Cu is:**
   (a) +0.76 V (b) +0.34 V (c) -0.76 V (d) -0.34 V
8. **The greater is the value of reduction potential, the greater is the reactivity of the:**
   (a) Metal (b) Non-metal (c) Both 'a' & 'b' (d) None
9. **Which metal can displace Zn from $ZnSO_4$ solution?**
   (a) Cu (b) Fe (c) Pb (d) Mg

Maximum Marks: 16 **(SUBJECTIVE TYPE)** Time Allowed: 30 Min.

SECTION-I

Q.2: Give brief answers to the following questions: (12)

i. Define electrochemistry.
ii. Calculate the oxidation number of Mn in $KMnO_4$ and MnO_2.
iii. Give equations explaining the extraction of sodium by Down's cell?
iv. What is a salt bridge? What are its functions?
v. How does electrochemical series predict about the feasibility of a chemical reaction?
vi. The standard oxidation potential of Zn is 0.76 V and its reduction potential is -0.76 V. Justify.

SECTION-II

NOTE: Attempt All Questions: (04)

Q.3: What is standard hydrogen electrode (SHE)? How is it used to measure the electrode potential of copper?