

CHEMISTRY-11	Chapter#10 (Complete - Smart Syllabus) Test-3		
	Name:	Class:	ID:
Date: / /	Marks Total: 30	Marks Obtained:	
Time Allowed: 50 Min.			

Maximum Marks: 10

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- If the salt bridge is not used between two half cells, then the voltage:
 - Decreases rapidly
 - Decreases slowly
 - Does not change
 - Drops to zero
- Oxidation No. of C in $C_{12}H_{22}O_{11}$ is:
 - Zero
 - 6
 - 16
 - 12
- Which process is used for the extraction of Al?
 - Castner-Kellner process
 - Hall-Beroult process
 - Thermite process
 - Combustion process
- Material is also transported in:
 - Electronic conduction
 - Metallic conduction
 - Electrolytic conduction
 - Both 'a' & 'b'
- Nelson's cell is used to obtain:
 - Sodium
 - Aluminum
 - Caustic soda
 - Copper
- During electrolytic purification of copper, anode is made up of:
 - Pure copper
 - Impure copper
 - Graphite
 - Platinum
- In Galvanic cell, cathode is _____ charged.
 - Positively
 - Negatively
 - Neutrally
 - Both 'a' & 'b'
- The potential set up between an electrode and 1 M solution of its ions, at 298 K, is called:
 - Single electrode potential
 - Standard electrode potential
 - Oxidation potential
 - All
- The standard electrode potentials may change by changing the:
 - Temperature
 - Pressure
 - Concentration
 - All
- Which metals will react with acids to liberate H_2 gas?
 - Cu, Ag
 - Au, Pt
 - Ca, Mg
 - Both 'a' & 'c'

Maximum Marks: 20

(SUBJECTIVE TYPE)

Time Allowed: 40 Min.

SECTION-I

Q.2: Give brief answers to the following questions:

(12)

- Define oxidation number. What is oxidation number of elements in free state?
- Calculate the oxidation number of underlined element. a) $H_3\underline{P}O_3$ b) $Ca(\underline{C}lO_3)_2$.
- Explain the difference between ionization and electrolysis.
- A salt bridge maintains the electrical neutrality in the cell. Explain.
- SHE acts as cathode when connected with Zn electrode while as anode when connected with Cu electrode. Why?
- Fe can displace Cu from $CuSO_4$ but Zn does not displace Mg from $MgSO_4$ solution. Why?

SECTION-II

NOTE: Attempt All Questions:

(08)

Q.3: Describe the electrolysis of molten sodium chloride and a concentrated solution of sodium chloride.

Q.4: What is electrochemical series? Give its any four applications.