

Name: _____						
Subject: Chemistry		Class: 12 th		Time: 60 minutes		
Chapter No.1		MJDexpert.com			Total Marks:	30
				Obtained marks		

Note: Please attempt any 8 short questions from Question 2. Also, attempt both parts (a and b) of Question 3. Cutting and removal of any content is strictly prohibited.

Objective-Section

Q. 1 Encircle the correct answer by filling the appropriate circle. (8x1=8)

- Hydrogen can be placed at the top of the VII A group in the periodic table because
 - It is electropositive
 - It can lose one electron
 - It accepts an electron
 - It forms acidic oxides
- Mark the correct statement
 - All lanthanides are present in the same group
 - All Halogens are present in the same period
 - All the Alkali metals are present in the same group
 - All the noble gases are present in the same period
- Keeping in view the size of the atoms, which order is the correct one
 - Mg>Sr
 - Ba>Mg
 - Lu>Ce
 - Cl>I
- Which of the following statement is correct?
 - Na atom is smaller than Na⁺
 - Na atom is larger than K
 - F atom is smaller than F⁻ anion:
 - F atom is larger than F⁻
- Which one of the following is intermediate hydride?
 - LiH
 - MgH₂
 - CaH₂
 - SrH₂
- Zinc Oxide is an example of:
 - Neutral
 - Amphoteric
 - Acidic
 - Basic
- Which of the following elements form acidic oxide only?
 - Cd
 - Al
 - Sn
 - Br
- Mark the correct statement
 - metals form basic oxides
 - Metals form acidic oxides
 - Metals are the nonconductor of electricity
 - Metals also tend to accept electron

Subjective-Section

Q.2 Write short answers of any eight (8) of the following questions: (8x2=16)

- Why the ionic radii of negative ions are larger than the size of their parent atoms?
- What is lanthanide contraction?
- The melting and boiling points of elements increase from left to right up to the middle of s and p-Block elements and decrease downward, why?
- Why does metallic character increase from top to bottom in a group of metals?
- Zinc Oxide is amphoteric, write two chemical reactions in its favour.
- What are Ionic Hydrides? Give example.
- Why does IIA metal oxides' basicity increase on descending the group?
- Diamond is a non-conductor but graphite is a good conductor. Why?
- What is ionization energy? How does it vary in the periodic table?

Q.No.3 Long Question:

(4+4=8)

- Why hydrogen can be placed above halogens? Justify
- Define group and period. Discuss only the period in detail.