

## SECTION-A

Note:

- 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.  
 2) Fill the circle (○) (●), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like ●  
 3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

1. Which one of the following is weak Electrolyte \_\_\_\_\_  
 (A) NaCl (B)  $CH_3COOH$  (C) HCl (D) NaOH
2. Water droplets in air is an example of solution of \_\_\_\_\_  
 (A) Gas in gas (B) Gas in liquid (C) Liquid in gas (D) Liquid in liquid
3. The structure of  $BCl_3$  is \_\_\_\_\_  
 (A) linear (B) Tetrahedral (C) Pyramidal (D) Triangular
4. Modern periodic table is based on the \_\_\_\_\_  
 (A) Atomic number (B) Mass number (C) Law of octaves (D) Law of triads
5. One mole of Sodium is equal to \_\_\_\_\_ of Na.  
 (A) 8 gm (B) 16 gm (C) 23 gm (D) 64 gm
6. The maximum number of electron in the third energy level is \_\_\_\_\_  
 (A) 8 (B) 18 (C) 32 (D) 64
7. The oxidation number of  $Cl_2$  is \_\_\_\_\_  
 (A) 0 (B) 1 (C) -1
8. Potassium is an element of group \_\_\_\_\_  
 (A) I (B) II (C) III (D) IV
9. The increase in temperature of the gases decreases the \_\_\_\_\_  
 (A) Pressure (B) Volume (C) Kinetic Energy (D) Forces of attraction
10. The alchemists tried to convert base metals into \_\_\_\_\_  
 (A) Gold (B) Copper (C) Iron (D) Mercury
11. An Element has 8 electron in its valence shell it is \_\_\_\_\_  
 (A) An alkali (B) Halogen (C) Inert gas (D) Coinage metals
12. Which kind of bond exist in HCl? \_\_\_\_\_  
 (A) Ionic (B) Polar covalent (C) Covalent (D) Coordinate Covalent