

## Note:

Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer book. Cutting or filling two or more circles will result in zero mark in that question.

- 1 Tyndall effect is shown by:  
 (A) Sugar solution (B) Paints  
 (C) Jelly (D) Chalk solution
- 2 Identify the compound which has covalent bond:  
 (A) NaCl (B) KCl  
 (C) CaO (D) HCl
- 3 One of the following is non-metal, identify it:  
 (A) Na (B) Ca  
 (C) Br (D) Cr
- 4 How many number of moles are equivalent to 8 gm of  $\text{CO}_2$ ?  
 (A) 0.15 (B) 0.18  
 (C) 0.21 (D) 0.24
- 5 The most common example of corrosion is:  
 (A) Chemical decay (B) Rusting of Iron  
 (C) Rusting of aluminium (D) Rusting of tin
- 6 The mass number of sodium is:  
 (A) 19 (B) 23  
 (C) 27 (D) 31
- 7 The oxidation number of hydrogen in HCl is:  
 (A) +1 (B) -1  
 (C) +2 (D) -2
- 8 The third period contains elements:  
 (A) 32 (B) 18  
 (C) 8 (D) 2
- 9 The P subshell has:  
 (A) One orbital (B) Two orbitals  
 (C) Three orbitals (D) Four orbitals
- 10 The fastest diffuses gas is:  
 (A) Hydrogen (B) Helium  
 (C) Fluorine (D) Chlorine
- 11 Single covalent bond formation involves electrons:  
 (A) 2 (B) 4  
 (C) 6 (D) 8
- 12 Air is an example of solution:  
 (A) Liquid in gas (B) Solid in gas  
 (C) Gas in gas (D) Gas in liquid