

# 9th Class 2021

Chemistry	Group-I	Paper-I
Time: 15 Minutes	(Objective Type)	Max. Marks: 12

**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.

**1-1- For the mass number, we use symbol:**

- (a) Z (b) P  
(c) n (d) A ✓

**2- He is considered the father of nuclear science:**

- (a) Rutherford ✓ (b) Bohr  
(c) Newton (d) Dalton

**3- Elements of group 13 to 18 have their valence electrons in sub-shell:**

- (a) s (b) p ✓  
(c) d (d) f

**4- Along the period, which one of the following decreases from right to left?**

- (a) Atomic radius ✓ (b) Ionization energy  
(c) Electron affinity (d) Electronegativity

**5- The chemical bond by mutual sharing of their valence shell electrons is called:**

- (a) Ionic (b) Covalent ✓  
(c) Metallic (d) Coordinate

**6- The electrons that pair up to form a chemical bond are called:**

- (a) Cations (b) Anions  
(c) Bond pair ✓ (d) Lone pair

**7- The scale of temperature in Kelvin scale starts from (°C):**

- (a) 100° (b) -100°  
(c) 273° (d) -273° ✓

- 8- The proportion of a solute in a solution is called:  
(a) Percentage (b) Concentration ✓  
(c) Molarity (d) Solubility
- 9- The number of grams of solute dissolved in 100 cm<sup>3</sup> of the solution is called %:  
(a) v/m (b) v/v  
(c) m/v ✓ (d) m/m
- 10- The loss of electrons by an atom or an ion during a chemical reaction is termed as:  
(a) Oxidation ✓ (b) Reduction  
(c) Electrolysis (d) Electricity
- 11- The apparent charge assigned to an atom of an element in a molecule or in an ion is called:  
(a) Electronegativity (b) Oxidation number ✓  
(c) Ionization potential (d) Bond
- 12- This metal is used to make jewelry items because of its unique characteristics:  
(a) Zinc (b) Sodium  
(c) Platinum ✓ (d) Lead

