

# 9th Class 2021

Chemistry	Group-II	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- Long form of periodic table consists of:

- (a) 8 periods (b) 7 periods ✓  
(c) 10 periods (d) 18 periods

2- The formula of rust is:

- (a)  $\text{Fe}_2\text{O}_3$  (b)  $\text{Fe}_2\text{O}_3 \cdot n\text{H}_2\text{O}$  ✓  
(c)  $\text{Fe}(\text{OH})_3 \cdot n\text{H}_2\text{O}$  (d)  $\text{Fe}(\text{OH})_3$

3- The equation of Boyle's law is:

- (a)  $P = vt$  (b)  $\frac{V}{T} = k$   
(c)  $\frac{T}{P} = k$  (d)  $PV = k$  ✓

4- Which one of the following shell consists of one subshell?

- (a) K shell ✓ (b) L shell  
(c) M shell (d) N shell

5- Solubility is defined as number of grams of solute dissolved in \_\_\_\_\_ of solvent to prepare saturated solution at particular temperature.

- (a) 100 mg (b) 100 kg  
(c) 100 g ✓ (d) 1000 g

6- Which metal is found in liquid state?

- (a) Silver (b) Iron  
(c) Copper (d) Mercury ✓

- 7- Along the period which one of the following decreases?  
(a) Atomic radius ✓ (b) Electron affinity  
(c) Ionization energy (d) Electronegativity
- 8- Bond formed between two non-metals is expected to be:  
(a) Ionic (b) Covalent ✓  
(c) Metallic (d) Coordinate covalent
- 9- A bond pair in covalent molecules usually has:  
(a) One electron (b) Three electrons  
(c) Two electrons ✓ (d) Four electrons
- 10- The oxidation number of chlorine in  $KClO_3$  is:  
(a) +7 (b) +6  
(c) +5 ✓ (d) +4
- 11- Which one of the following is not a triatomic molecule?  
(a)  $H_2$  ✓ (b)  $O_3$   
(c)  $H_2O$  (d)  $CO_2$
- 12- The amount of NaOH required to prepare 1.0 M solution is:  
(a) 20 g (b) 30 g  
(c) 40 g ✓ (d) 80 g