

CHEMISTRY-9<sup>th</sup>  
ANNUAL EXAM 2020

Time: 20 minutes

SECTION -A

Marks: 12

Q1: Choose the correct Answer.

- 1: A pure substance that cannot be broken down into simplest substance by physical or chemical means is called .....
- A) Element                      B. compound  
C. heterogeneous mixture    D. homogenous mixture
- 2: There are ..... Isotopes of hydrogen.
- A) 2,            B) 3                      C) 4            D) 5
- 3: K-shell can accommodate maximum number of ..... Electrons.
- A) 2                      B) 3                      C) 8                      D) 18
- 4: Number of periods in periodic table are .....
- A) Seven            B) eight                      C) ten                      D) eighteen
- 5: An element has 8 electrons in its valence shell, it is.....
- A) An alkali metal            B) a halogen  
C) an inert gas                      D) a coinage metal
- 6: What geometrical shape does  $\text{NH}_3$  have .....?
- A) Linear    B) triangular    C) tetrahedral    D) pyramidal
- 7: Diamond is the allotropic form of .....
- A) Oxygen    B. carbon    C) hydrogen    D) chlorine
- 8: The increase of temperature of the gasses decreases
- A) Pressure                      B) volume  
C) force of attraction                      D) kinetic energy
- 9: Water droplets in air are an example of solution of ...
- A) Gas in gas                      B) gas in liquid  
C) liquid in gas                      D) liquid in liquid
- 10: Which one of the following is a strong electrolyte .....?
- A)  $\text{NH}_2\text{CO}_3$     B)  $\text{NH}_4\text{OH}$     C) HCl                      D)  $\text{CH}_3\text{COOH}$
- 11: Ionic compounds conduct electricity when they are in the ..... State.
- A) Solid    B) crystalline solid    C. anhydrous    D) molten
- 12: At room temperature, metals exist as .....
- A) Gas and liquid                      B) gas and solid  
C) solid and liquid                      D) all of these