



STD: 11

SUB: CHEMISTRY

1. Avogadro's number is the number of molecules present in -----
  - a) 1 g of molecule
  - b) 1 g atom of molecule
  - c) gram molecular mass
  - d) 1 lit of molecule
2. The empirical formula of hydrogen peroxide is -----
  - a) HO
  - b) H<sub>2</sub>O
  - c) H<sub>3</sub>O<sup>+</sup>
  - d) H<sub>2</sub>O<sub>2</sub>
3. Which of the following provides the experimental justification of magnetic quantum number?
  - a) Zeeman effect
  - b) Stark effect
  - c) Uncertainty principle
  - d) quantum condition
4. How many orbitals are possible in 3<sup>rd</sup> energy level?
  - a) 16
  - b) 9
  - c) 3
  - d) 27
5. Which period mostly includes man made radioactive elements?
  - a) 4<sup>th</sup> period
  - b) 7<sup>th</sup> period
  - c) 6<sup>th</sup> period
  - d) 3<sup>rd</sup> period
6. The metallic radius of copper is -----
  - a) 0.99 Å<sup>0</sup>
  - b) 1.28 Å<sup>0</sup>
  - c) 1.98 Å<sup>0</sup>
  - d) 2.56 Å<sup>0</sup>
7. The magnetic moment of para hydrogen is -----
  - a) one
  - b) Zero
  - c) Twice
  - d) Maximum
8. Which one of the following is used to study the movements of ground water?
  - a) Protium
  - b) Deuterium
  - c) Tritium
  - d) HD
9. The second ionization enthalpy of alkali metals is -----
  - a) Zero
  - b) Low
  - c) High
  - d) Very low
10. Celestite and strontianite are the ores of -----
  - a) Cesium
  - b) Strontium
  - c) Barium
  - d) Magnesium
11. Which of the following is not chemically inert?
  - a) Helium
  - b) Oxygen
  - c) Argon
  - d) Krypton
12. The standard atmospheric pressure at sea level at 00C is equal to -----
  - a) 1mm Hg
  - b) 76mm Hg
  - c) 760mm Hg
  - d) 680mm Hg
13. Which one of the following does not undergo sublimation?
  - a) Iodine
  - b) water
  - c) Camphor
  - d) Ammonium chloride
14. Which of the following does not alter the equilibrium?
  - a) Catalyst
  - b) Concentration
  - c) Temperature
  - d) Pressure