

## Chemistry Fsc Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	The number of H2O molecules in 9 grams of ice is	A. 3.01 x 10 <sup>23</sup> B. 6.02 x 10 <sup>23</sup> C. 6.02 x 10 <sup>8</sup> D. 12.04 x 10 <sup>23</sup>
2	The number of moles of hydrogen atoms in 3.2 g of methane CH4.	A. 0.2 B. 0.4 C. 0.6 D. 0.8
3	One mole of Carbon -12 has mass	A. 0.012 kg B. 1 kg C. 0.022 kg D. 12 kg
4	Which one of the following substances is used as water absorber in combustion analysis.	A. Mg(ClO4)2 B. 50% KOH C. Lime water D. Dilute solution of NaOH
5	If the empirical formula of compound is CH2 and its molecular mass is 56 than what is the actual molecular formula of this compound.	A. CH2 B. C2H4 C. C3H6 D. C4H8
6	In mass spectrometry, ions are produced by	A. Heat at high temperature     B. Passing gas through high voltage plates     C. Throwing fast moving electrons on gas molecules     D. All of them
7	More abundant isotope of an element is the one with.	A. Even atomic number B. Odd atomic number C. Even mass number D. Odd mass number
8	In mass spectrometry, ions are separated on the basis of.	A. Masses only B. Charge only C. Change to mass ratio D. Mass to charge ratio
9	Which statement is incorrect about Dempster's mass spectrometer.	A. Solid sample can be used in this mass spectrometer     B. lons are detected on the basis of mass to charge ratio     C. Atoms or molecules are ionized with beam of electron.     D. This spectrometer work at one atmospheric pressure.
10	The total number of protons and neutrons present in the nucleus of an atom is called.	A. Mass number B. Atomic number C. Molecular mass D. Relative atomic mass
11	One molecule of hemoglobin in heavier than one atom of hydrogen.	A. 680 times B. 6800 times C. 68000 times D. 680000 times
12	CO+ is an example of.	A. Free radical     B. Cationic molecular ion     C. Anionic molecular ion     D. Stable molecule
13	Which statement about a molecule is incorrect.	A. It exist independently     B. Molecules of a substances are similar     C. Hemoglobin is a homoatomic molecules     D. Oxygen molecule is a macromolecule

14	Chlorine atom and chloride ions.	A. Are chemically identical     B. Are allotropes of chiroin     C. Have same number of electrons     D. Have same number of protons
15	The ration of number of molecules of 2 g H2 g to number of molecules of 64 g gaseous oxygen is.	A. 1:1 B. 1:2 C. 1:32
		D. 1:4
16	One mole of ethanol and one mole of ethane have an equal	A. Masses B. Number of atoms
		C. Number of electrons D. Number of molecules
	the number of Al $^{3+}$ ion sin AlCl $_3$ is 2.007 x 10 $^{23}$ . The number of Cl- ions are.	A. 6.02 x 10 <sup>23</sup>
17		B. 3.01 x 10 <sup>23</sup>
• •		C. 3.01 x 10 <sup>23</sup> D. 1.5 x 10 <sup>23</sup>