

## Chemistry Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	Which one of the following Statments is incorrect	A. One mole of nitrogen gas contains Avogadro's numebr of moleclues B. One mole of ozone gas contains avogadr's number of molecules C. One mole of ozone contains avogadro's number of O atom D. One mole of hydrogen gas contains Avogadro's numebrof molecules
2	Why can a water molecule formtwo hydrogen bonds on avarage.	A. Beacuse it is polar B. Due to its temperature C. It has 2 hydrogen atm and 2lone pairs D. Becuse  it has a covalent bond
3	The shape of ICI5 according to the VSEPR model is	A. T shape B. Tetrahedral C. Trigonal panar D. Trigonal bipyramidal
4	Which of the following hybridizations is found in ethyne.	A. Sp B. sp2 C. sp3 D. No hybridization
5	How many d orbitals are there in a givne energy level.	A. 1 B. 5 C. 3 D. 7
6	How many electrons are presente in the valence shell of P in PO4 $^{\rm 3}$	A. 8 B. 10 C. 12 D. 14
7	Optimum temperatur ein Haber process is	A. 50 oC B. 450 oC C. 200 oC D. 1000 oC
8	The calorie content of food, often expressed in Calories (keal), is fundamentally related to which thermodynamic quantity during its metabolism or combustion.	A. Enthealpy change B. Entropy change C. Gibbs free engnergy change D. Specific heat capacity
9	A solution contains 4.0 g of sodium hydroxide in 250 cm3 of solution. What is the molar concentration of this solution	A. 0.10 mol dm-3 B. 0.20 mol dm-3 C. 0.40 mol dm-3 D. 0.80 mol dm-3
10	How many electron presetn in CI are.	A. 17 B. 18 C. 19 D. 35
11	A salt from stron acid+weak base gives.	A. Neutral solution B. Acidic solution C. Precipitate D. Basic solution
12	What happens to the volue of water when it freeze	A. It contracts by 9% B. It remains the same C. It expends by 9% D. It evaporates completely
13	In which of the following molecules ionic bond is found.	A. Csl B. NH3 C. HF D. CaC2

14	In a reversible reaction.	A. Products do not reform reactants     B. Rate of forward reaction is always higher     C. Both forward and reverse reactions occur     D. Products are in excess
15	The largest numebr of molecules are present in	A. 3.6 g of H2O B. 4.6 g of C2H5OH C. 2.8 g of CO D. 5.4 g of N2O5
16	Active mass means	A. Moles B. Volume C. Mass D. Molar concentration
17	Which of the following statemetns is true about diffusion in liquids?	A. Liquids do not diffuse at all B. Liqudis diffuse faster than gases C. Liquids diffuse slower than gases due tos tonger intermolecular forces D. Liquids diffuse only when heated
18	At equilibrium in a closed system, which two processes occur at tha same rate.	A. Mellting and Freezing   B. Evporation and condensation  C. Sublimation and condensation  D. Evaporation and boiling
19	In pressure of catalyst Delta H	A. Increases B. Decreases C. Double D. Unchanged
20	Which of the following is a Lewis acid but not a Brontsted Lowry acid	A. HCI B. NH3 C. Al Cl3 D. H2O