

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Calorie is equivalent to :	A. 0.4184 J B. 4184 J C. 4,184 J D. 418.4 J
2	The relationships between volume of a given amount of gas and the prevailing conditions of temperature and pressure are	A. Charle's Law B. Graham's Law C. Boyle's Law D. Gas Laws
3	Molecules of High molecular weight usually greater than 10,000 are called:	A. Macro molecules B. Mega molecules C. Poly molecules D. Gega molecules
4	Alkanes are least reactive towards:	A. Acids and bases B. Reducing agents C. Oxidizing agents D. All of these
5	Sulphonation of benzoic acid produces mainly	A. o-Sulphobenzoic acid B. m-sulohobenzoic acid C. p-Sulphobenzoic acid D. o-and p-Sulphobenzoic acid
6	The number of unpaired electrons in Fe^{3+} (Z = 26) are	A. 5 B. 6 C. 3 D. 4
7	The sum of mole percent of all the components of solution is always equal to :	A. Less than 100 B. One C. 100 D. 10
8	Basicity of orthophosphoric acid is	A. 2 B. 3 C. 4 D. 5
9	Select from the following the one which alcohol	
10	When a piece of zinc is added to the copper sulphate solution, _____ colour of solution disappear	A. Pink B. Purple C. Blue D. Brown
11	An electrochemical cell is based upon	A. Acid-base reaction B. Redox reaction C. Nuclear reaction D. None of the above
12	Which compound shows more hydrogen bonding?	A. C_2H_6 B. C_2H_5Cl C. CH_3OH D. C_2H_5OH
13	Neutralization of a strong acid with a strong abase is:	A. Natural acid base reaction. B. Artificial acid base reaction. C. Spontaneous acid base reaction. D. Both (a) and (c).
14	Oxidation state of fluorine is	A. +1 B. +2 C. -1 D. -2
15	An electrolyte	A. Forms complex ions solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water

16	The quantum number which determines the shape of the orbital is	A. principal B. azimuthal C. magnetic D. spin
17	Which of the following will be good conductor of electricity	A. Pure distilled water B. Molten NaCl C. Dilute solution of glucose D. Chloroform
18	Aldehydes can be distinguished from ketones by using	A. Schiff's reagent B. Conc. H_2SO_4 C. Anhy. ZnCl_2 D. Resorcinol
19	What is the molarity of H_2SO_4 solution that has density of 1.84 gm/cc at 35°C and contains 98% by weight?	A. 4.18 M B. 8.14 M C. 18.4 M D. 18 M
20	Which among the following species has the highest ionization energy?	A. Ne B. F C. Li D. B