ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Water which his considered to be safe for human consumption is known as	A. Distilled water B. Contaminated water C. Potable water D. Rain water
2	When acetic acid and ethanol react together an ester is formed which is called	A. Ethyl ester B. Ethanoic acid C. Ethanoic acid D. Ethyl acetate
3	Bakelite is a product formed form	A. Reaction of formaldehyde with phenol B. Reaction of polyethylene with phenol C. Reaction of polypropylene with acid D. It is a natural product
4	Which the increase in carbon number of solubility of an alcohol	A. Increases B. Decreases C. Remains unaffected D. None of these
5	Which compound contains - OH in their molecule	A. Alcohol B. Phenol C. Alcohol and phenol D. Ether
6	Which of the following is an isomer of ethanol	A. CH₃OCH₃ B. C₂H₅OC₂H₅ C. CH₃OH D. C₂H₅OH
7	Which is used as an antifreeze?	A. Glycol B. Ethyl alcohol C. Water D. Methanol
8	If the rate of decay of radioactive isotope decreases from 200 cpm to 25 cpm after 24 hours, what is its half life :	A. 8 hours B. 6 hours C. 4 hours D. 3 hours
9	A solutiion of 0.5 mole camphor in 100 grmas chloroform (K_b= 0.322) has rise in boiling point than that of chloroform by	A. 0.81°C B. 1.61°C C. 1.81°C D. 0.61°C
10	Gypsom added in cement is:	A. 1% B. 2% C. 3% D. 4%
11	Which of the following element has the maximum electron affinity?	A. F B. S C. I D. Cl
12	Factor which slows down the rate of reaction is	A. Small size of the particles of the reactant B. High temperature of reaction C. More concentration of reactant D. Lowering the temperature
13	The standard EMF of Daniel cell is 1.10 volt. The maximum electrical work obtained from the Daniel cell is	A. 212.3 kJ B. 175.4 kJ C. 106.15 kJ D. 53.07 kJ
14	Dilatometric method is used for rate determination when	A. Reactions involving change of optical B. Reactions involving change of optical activity C. Reactions involving small volume change D. None of above
15	Le-chatlier's principle is applied on the reversible reaction in order to	A. Determine the rate of reaction B. Predict the direction of reaction C. Determine the extent of reaction

		D. Find best conditions for favorable shifting the position of equilibrium
16	Introduction of a second methyl group in methylbenzene will give how many isomeric dimethyllenzenes	A. 2 B. 1 C. 3 D. 4
17	The number of moles of solute dissolved per dm^3 of the solution is called :	A. Normality. B. Molarity. C. Molarity. D. None of above.
18	In a Galvanic cell	A. Chemical energy is converted into electricity B. Chemical energy is converted into heat C. Electrical energy is converted into heat D. Electrical energy is converted into chemical energy
19	The experimental evidences for the existence of atomic nucleus comes from:	A. Line spectrum of hydrogen. B. Magnetic bonding of cathode rays. C. Millikan oil drop experiment. D. Scattering of alpha particles by thin metal foil.
20	Vegetable oils are	A. Unsaturated fatty acids B. Glycerides of unsaturated fatty acids C. Glycerides of saturated fatty acids D. Essential oils obtained from plants