ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	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
2	For which system does the equilibrium constant. K_c has units of	
3	Diaphragm cell is used to prepare	A. sodium B. sodium hydroxide C. calcium D. magnesium
4	Synthesis rubber is made by polymerization :	A. Chloroform B. Acetylene C. Divinyl acetylene D. Butene
5	Complex protein molecules which catalyses the organic reactions in the living cells are called	A. Living organisms B. Enzymes C. Viruses D. Bacteria
6	Ether show the phenomenon of :	A. Position isomerism B. Functional group isomerism C. Metamerism D. Cis-trans isomerism
7	The gases can be converted into liquids by	A. increasing the pressure only B. Lowering temperature and increasing pressure C. Increasing pressure and bringing temperature below critical point D. Lowering temperature only
8	Balmer's series is in _____ region	A. Visible B. U V C. I. R. D. None
9	A catalyst is a substance which increase the rate of a chemical reaction, but remains unchanged at the end of reaction, nut remains unchanged at the end of reaction, because	A. It increases the temperature B. It increase the surface area C. It increases the rate constant D. It decrease the energy energy of activation
10	Noble gases in the atmosphere are	A. 4% B. 3% C. 2% D. 1%
11	0.1 MHCl has pH = 1.0, it is about 100 times stronger than acetic acid. Then pH of acetic acid will be	A. 0.1 B. 2.0 C. 1.3 D. 3.0
12	Denaturation of protein means the structure of protein is disrupted, indicate which factor foes not denature protein	A. Heating protein B. pH changes C. Oxidising agent D. Keeping pH 7.35
13	What happens when isotonic solution of A (mol.wt.342) and B (mol.wt 60) are put in to communication through semipermeable membrane?	A. Transference of solvent from solution A to that of B take place B. Transference of solvent from solution B to that of A takes place C. No transference of solvent from solution A to that of B takes place D. Change in temperature of solutions takes place
		A. It does no need energy to start with.

14	A reaction will also be called a spontaneous if :	B. It needs energy to carry the whole process. C. It needs energy at the end of reaction. D. It needs energy to stat with.
15	Optical rotation method is sued when	A. Reaction involve ions B. Change of refractive indices C. Reactions involving change of optical activity D. None of the above
16	The molar value of CO_2 is maximum at :	A. STP B. 127<span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;"><span style="font-size:11.0pt;line-height:107%; font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin;mso-fareast-font-family: Calibri;mso-fareast-theme-font:minor-latin;mso-hansi-theme-font:minor-latin; mso-bidi-font-family:"Times New Roman";mso-bidi-theme-font:minor-bidi; mso-ansi-language:EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">°C and 1 atm C. <span style="line-height: 14.98px; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">0°C and 2 atm D. 273°C and 2 atm
17	Plastics are a pollution problem because many plastics:	A. Are made from petroleum B. Are very inflammable C. Burn to produce toxic fumes D. Decompose to produce toxic products
18	Formation of PVC form vinyl chloride is an example of	A. Substitution reaction B. Addition polymerization C. Condensational reaction D. Aldol condensation
19	Theα-carbon of 19 out of 20α-amino acids found in protein is chiral or asymmetric. Hence they are optically active. Only one of the 20α-amino acids is not optically active which one is the	A. Proline B. Glycine C. Hitidine D. Alanine
20	Aldehydes are oxidizes are to give:	A. Primary alcohol B. Sec-alcohol C. Ter-alcohol D. Carboxylic acid