

ECAT Chemistry Online Test

Cr.	Questions	Answers Choice
Sr	Questions	
1	The unit of rate constant is the same as that of the rate of reaction in :	A. First order reaction.B. Second order reaction.C. Zero order reaction.D. Third order reaction.
2	Glucose in the presence of zymase is converted into	A. Alcohol B. Acid C. Ethyl alcohol D. Ketone
3	SO ₂ Makes acid rains	A. Carbonic acid B. Sulfuric C. Nitric acid D. All of these
4	Ammonium carbonate when heated to 200°C gives a mixture of NH ₃ and CO ₂ vapour with a density of 13.0. What is the degree of dissociation of ammonia carbonate?	A. 3/2 B. 1/2 C. 2 D. 1
5	The order of reactivity of an alkyl halide (R-X) for a particular alkyl group is	A. lodide > bromide > chloride B. Chloride > bromide > iodide C. Bromide > chloride > iodide D. Bromide > iodide > chloride
6	Synthetic rubber is made by polymerization of	A. Chloroform B. Acetylene C. Divinlacetylene D. Butene
7	A solution has 92 g of ethyl alcohol, 96 g of methyl alcohol and 90 g of water. Mole percentage of ethyl alcohol in the solution is	A. 10 B. 20 C. 25 D. 50
8	Which of these polymers is an addition polymer	A. Nylon 6,6 B. Polystyrene C. Terylene D. Epoxy resin
		A. Initial concentration of reaction B. Initial concentration of products C. Final concentration of products D. Order of the reaction
9	Question Image	
10	Hemoglobin contains nearly:	A. 10,000 atoms B. 100 atoms C. 1000 atoms D. 1 atom
11	Scientific study of fermentation was first made by	A. Buchner B. Liebig C. Biot D. Pasteur
12	The maximum number of electrons in a subshell for which I = 3 is	A. 14 B. 10 C. 8 D. 4
13	Unsaturated hydrocarbon containing a double bond are called	A. paraffin B. Alkanes C. Olefins D. Acetylene
14	For a given process the heat change at constant pressure $q_{\mbox{\scriptsize p}}$ is related to the heat change at constant volume $(q_{\mbox{\scriptsize V}})$ according to	A. q _p = q _v B. q _p < q _v C. q _p > q _v D. q _p = qv/2
15	The galvanic or voltaic cells which are rechargeable called as	A. Primary cells B. Secondary cells C. Dry cells D. Infinite cells

16	The element which has a simple cubic lattice in solid state is	A. Se B. Te C. Po D. None of these
	Which element should have the greatest value for electronegativity when combined with hydrogen	A. Na
17		B. Si
1		C. S
		D. Cl
	Platinum (IV) chloride combines with ammonia to form compounds in which the coordination number of the platinum is 6. A formula unit on one of the compound contains a cation and only two chloride ions. What is the formula of this compound	A. Pt(NH ₃)
		₆ Cl ₄
		B. Pt(NH ₃)
18		₅ Cl ₄ C. Pt(NH ₃)
		₄ Cl ₄
		D. Pt(NH ₃)
		₃ Cl ₄
	The reaction of an alkyl halide with RCOOAg produces	A. Ester
19		B. Ether
19		C. Aldehyde
		D. Ketone
	4-d series is in the period:	A. 4th
20		B. 5th
_0		C. 6th
		D. 7th