

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. High temperature B. Low temperature C. Low pressure D. High pressure
2	Pakistan in the beginning was a country :	A. Industrial B. Chemical C. Agrarian D. Technologies
3	Which of the following mixture of liquids show negative deviation form Raoult's law	A. Ethyl alcohol and ether B. HCl and water C. Phenol- water D. Chlorobenzene-bromobenzene
4	Oxidation of NO in air produces	A. N_2O B. N_2O_3 C. N_2O_4 D. N_2O_5
5	A filtration process could be very time consuming if it were not aided by a gentle suction which is developed:	A. If the paper covers the funnel up to its circumference B. If the paper has got small sized pores in C. If the stem of funnel is large so that it dips in to filtrate D. If the paper fits tightly.
6	Which one of the following solution will have higher vapour pressure than that of water	A. Aqueous solution of methanol B. Aqueous solution of HCl C. Aqueous solution of glucose D. Aqueous solution of urea
7	Glacial acetic acid freezes to ice like solid at ($^{\circ}C$)	A. 07 B. 17 C. 27 D. 37
8	Isotopes differ in	A. properties which depend upon mass B. arrangement of electrons in orbitals C. chemical properties D. the extent to which they may be affected in electric fields
9	Question Image	A. $Br_2(aq)$ B. 2, 4-dinitrophenylhydrazine C. NaBH D. Tollen's reagent
10	When electricity is passed through molten $Al_2O_3 + Na_3AlF_6$ and 13.5 gms of Al are deposited, the number of faraday must be	A. 0.5 B. 1.0 C. 1.5 D. 2.0
11	To determine the rate of reaction chemically a graphical method is applied. A graph is plotted between the amount of reactant decomposed or product formed against the time. The rate $\frac{dx}{dt}$ at any time is equal to	A. k B. Tangent C. $\frac{1}{a}$, a is initial conc. D. $\frac{1}{a^2}$
12	Oxidation of 2-propanol gives	A. Propanone B. Butanone C. Pentanone D. None of these
13	Quantum number value for 2p orbitals are:	A. $n=2, l=1$ B. $n=1, l=2$ C. $n=, l=0$ D. $n=2, l=0$
		A. 1829

14	Newland gave his law in the year:	<p>B. 1864</p> <p>C. 1871</p> <p>D. 1913</p>
15	For spontaneity of a cell, which is correct?	<p>A. $\Delta G = 0, \Delta E = 0$</p> <p>B. $\Delta G = -ve, \Delta E = 0$</p> <p>C. $\Delta G = +ve, \Delta E = 0$</p> <p>D. $\Delta G = -ve, \Delta E = 0$</p>
16	Sintered glass is a porous material use for :	<p>A. Absorption</p> <p>B. Decoration.</p> <p>C. Filtration.</p> <p>D. All of above.</p>
17	Composition of clay in cement is:	<p>A. 25%</p> <p>B. 50%</p> <p>C. 75%</p> <p>D. 80%</p>
18	In an alkaline battery the anode, the cathode and electrolyte are respectively.	<p>A. Manganese dioxide, Zinc, sodium hydroxide</p> <p>B. Zinc, Manganese dioxide, Sodium hydroxide</p> <p>C. Zinc, manganese dioxide, potassium hydroxide</p> <p>D. Manganese dioxide, zinc, potassium hydroxide</p>
19	Question Image	<p>A. Temperature is increased</p> <p>B. Pressure is increased</p> <p>C. HCl is added</p> <p>D. HCl is removed</p>
20	The net heat in a chemical reaction is same, whether it is brought about in two or more different ways in one or several steps. It is known as	<p>A. Henry's law</p> <p>B. Joule's principle</p> <p>C. Hess's law</p> <p>D. law of conservation of energy</p>