

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	When electrically 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
2	The experimental relationship between a reaction rate and the concentration of reactants is known as	A. Order B. Molecularity C. Rate constant D. Rate law
3	Doberiner arranged the similar elements into	A. Pairs B. Triads C. Triplets D. Rows
4	The general formula of amino acids is	
5	The radiations with wavelength shorter than violet light are called	A. Ultraviolet B. Infrared C. Microwave D. Radio frequency
6	Which of the following is a noble gas:	A. Ne. B. Cl_2 . C. H_2 . D. N_2 .
7	Reaction of HNO ₃ with very dilute Zinc and at low temperature gives	A. H_2 B. NO C. NO_2 D. NH_4
8	In a group the atomic size increase downward due to	A. Addition of electronic shells B. Increase in the proton number C. Repulsion of electrons D. All of the above
9	Coordination number of Pt in $[Pt Cl(NO_2) (NH_3)]_2^{2-}$ is	A. 2- B. 4 C. 1 D. 6
10	Gradation in properties in the periods of periodic tables are due to change in	A. Atomic weight B. The number of electrons C. Number of protons D. Electronic configuration
11	Noble gases are placed in group	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
12	Which of the following sets of atomic numbers belong to that of the alkali metals?	A. 1, 12, 30, 4, 62 B. 37, 19, 3, 55 C. 9, 17, 35, 53 D. 12, 20, 56, 88
13	Most reactive halide towards S_N1 reaction is	A. n-Butyl chloride B. sec-Butyl chloride C. tert-Butyl chloride D. Allyl chloride
14	Which bond is most stable	A. C - Cl B. C - F C. C - Br D. C - I
15	The molecule of ethane possess which hybridization	A. sp^3 B. sp^2 C. sp D. sp^2d
16	In the chemical combination of sodium and hydrogen to form NaH:	A. Hydrogen atom gains an electron. B. Sodium atom gains an electron. C. Both the atoms share the electron.

17	What is the total number of different chloroethanes, formula $C_2H_{6-n}Cl_n$, where n can be any integer from 1 to 4	A. 4 B. 6 C. 7 D. 8
18	Electronegativity values of the elements F, Cl and Br vary	A. F > Cl > Br B. Br > Cl > F C. Cl > Br > F D. Cl > F > Br
19	The word paper is derived from the name of which seedy plant?	A. Rose B. Sun flower C. Papyrus D. Water Hyacinth
20	0.5 mole of CH_4 and 0.5 mole of SO_2 gases have equal	A. Volume B. Mass in gram C. Total number of atoms D. Number of molecules