

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Standard reduction of Zn = -0.76 V and that of Ni is -0.25 V. On coupling them by a salt bridge which of these will act as anode	A. Salt bridge will act as anode B. Zn will act as anode C. Ni will act as anode D. None of these
2	Question Image	A. Moles per dm^3 B. Partial pressures C. Number of moles D. Mole fractions
3	Zwitter ion is _____ ion an amino acid	A. Polar B. Monopolar C. Dipolar D. Non polar
4	Grignard reagent on reaction with a ketone forms	A. Tertiary alcohol B. Secondary alcohol C. Primary alcohol D. Carboxylic acid
5	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
6	Which for the following has no dipole moment	A. HCl B. H_2S C. H_2O D. CO_2
7	Question Image	A. The value of K_p falls with a rise in temperature B. The value of K_p falls with increasing pressure C. Adding V_2O_5 catalyst increase the equilibrium yield of sulphur trioxide D. The value of K_p is equal to K_c
8	The other name for distribution law is	A. Dispersive law B. Partition law C. Avogadro's law D. separation law
9	HNO_2 acts as an/a	A. Acid B. Oxidizing agent C. Reducing agent D. All the three
10	Which of the following is a typical transition metal	A. Sc B. Y C. Ra D. Co
11	The radiations with wavelength shorter than violet light are called	A. Ultraviolet B. Infrared C. Microwave D. Radio frequency
12	Condensation of aldehydes with α -hydrogen gives:	A. Acetal B. Ketal C. Aldol D. Cannizzaro product
13	Replacement of Cl of Chlorobenzene to give phenol requires drastic conditions but chlorine of 2, 4-Dinitrochlorobenzene is readily replaced because	A. NO_2 makes the electron rich ring at ortho and para positions B. NO_2 withdraws electrons at metaposition C. NO_2 donate electrons at m-position D. NO_2 withdraws ..

14	The detection of functional group is called	A. Numerical analysis B. Qualitative analysis C. Combustion analysis D. Quantitative analysis
15	The correct order of 2nd I.P. of C,N,O and F is	A. O > F > N > C B. O > N > F > C C. C > N > O > F D. F > O > N > C
16	In the ground state of an atom, the electron is present:	A. In the nucleus. B. In the second shell. C. Nearest to the nucleus. D. farthest from the nucleus.
17	Which of the following gases is used for illuminating purpose?	A. Methane B. Ethane C. Propane D. Butane
18	Which is a component of macronutrient?	A. Zn B. N C. Mo D. Cl
19	Which of the following mixture of liquids show negative deviation from Raoult's law	A. Ethyl alcohol and ether B. HCl and water C. Phenol- water D. Chlorobenzene-bromobenzene
20	For a given process, the heat changes at constant pressure (q_p) and at constant volume (q_v) are related to each other as	A. $q_p = q_v$ B. $q_p < q_v$ C. $q_p > q_v$ D. $q_p = q_v/2$