

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The total number of inner transition elements in the periodic table is	A. 10 B. 14 C. 28 D. 30
2	In exothermic reversible reaction increase in temperature shift the equilibrium to :	A. Remains unchanged. B. Product side. C. Reactant side. D. None of above.
3	Polyester resins have special use in:	A. Clothing B. Paints C. Emulsion D. Floor covering
4	Which of the following solution have zero pH	A. 1 M HCl B. MH_2SO_4 C. 0.1 M HNO_3 D. 1 M CH_3COOH
5	Hydrocarbons are organic compounds which contain elements such as	A. Hydrogen B. Carbon C. Hydrogen and carbon D. Halogens
6	The general formula of alkane is	A. C_nH_{2n+2} B. C_nH_n C. C_nH_{2n} D. C_nH_{2n-1}
7	Cu^{2+} with d^9 electronic configuration appears	A. Yellow B. Pink C. Blue D. Green
8	Choose the correct answer of transition elements?	A. Transition elements have low melting points B. Transition elements do not have catalytic activity C. Transition elements exhibit variable oxidation states D. Transition elements exhibit inert pair effect
9	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
10	A molecular ion is formed by	A. Passing a high energy electron beam through gaseous molecule B. Dissolving a salt i dilute acid C. Passing electric current through molten salt D. Passing electricity through aqueous solutions
11	Carboxylic acid, ester, amide and amino groups are shown. Which is the correct description of these functional groups	
12	An azeotropic mixture of two liquids boils at a lower temperature than either of them when :	A. It is saturated. B. It shows positive deviation from Raoult's law. C. It show negative deviation from Raoult's law. D. It is metastable.
13	Second most element in the universe is	A. He B. Ne C. Ar D. Kr
14	The effective activity of a metal catalyst is increased if it is in	A. Solid form B. Liquid state C. Gaseous state

D. Finely divided form

15	Which one of the following is used as antifreeze in the radiator	A. Methanol B. Ethanol C. Ethylene glycol D. Glycerin
16	The elements of group IA are called	A. Chalcogens B. Halogens C. Alkali metals D. Alkaline earth metals
17	In sp^2 hybridization bond angle is _____	A. 120° B. 180° C. 109.5° D. None
18	Purification of an impure copper is made by electrolytic cell, in which impure copper is anode and pure copper is cathode, and the electrolyte used is	A. H_2SO_4 B. $CuSO_4$ C. $ZnSO_4$ D. Na_2SO_4
19	Which one of the following is mainly responsible for depletion of ozone layer?	A. Methane B. Carbon dioxide C. Water D. chlorofluorocarbons
20	Group VII-A elements are called:	A. s-block elements B. p-block elements C. d-block elements D. f-block elements