

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following reactions occur at moderate rate :	A. Rusting of iron B. Chemical weathering of stone work of buildings by acidic gases in atmosphere. C. Hydrolysis of an ester D. Fermentation of sugars
2	Which three elements are needed for the healthy growth of plants?	A. N,S,P B. N,Ca, P C. N,P,K D. N,K,C
3	The optimum conditions of temperature and pressure to get maximum NH_3 from N_2 and H_2 gases is	A. 2000°C and 10 atmosphere B. 0°C and 1 atmosphere C. 400°C and 200-300 atmosphere D. 200°C and 100 atmosphere
4	The relative lowering of vapour pressure is equal to the mole fraction of the solute is statement of	A. Rault law B. Henry law C. Dalton law D. Grahms law
5	Reason of pollution are:	A. Population and Urbanization B. Transportation C. Urbanization industrialization D. All of these
6	Formation of a cation is:	A. Exothermic process B. Non-endothermic process C. Endothermic process D. None of above
7	The conversion of n-hexane into benzene by heating in the presence of CO, is called	A. Isomerization B. Aromatization C. Dealkylation D. Rearrangement
8	18 g glucose is dissolved in 90 g of water. The relative lowering vapor pressure is equal to :	A. 1/5 B. 5.1 C. 1/51 D. 6
9	The most reactive elements are	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
10	The theory of chemical bonding has been a major problem of:	A. Modern Physics. B. Modern Chemistry. C. Modern Biology. D. Mechanics.
11	The group linkage present in fats is	A. Peptide linkage B. Ester linkage C. Glycosidic linkage D. None of these
12	The oxidation states of Boron are	A. +1,+2,+3 B. -1,-2,-3 C. +1,-1 D. +3,+1
13	Gypsom added in the cement is	A. 5% B. 10% C. 15% D. 20%
14	Compound X has molecular formula $\text{C}_{10}\text{H}_{14}\text{O}$ and is unreactive towards mild oxidising agents. What is the structure of the compound formed by dehydration of X	
15	Which of the following will have the highest boiling point	A. Methanol B. Ethanol C. Propanal D. 2-hexanone

16	Electron affinity depends on	A. Atomic size B. Nuclear charge C. Atomic number D. Atomic size and nuclear charge both
17	A compound possessing α -hydrogen atom, in the presence of dilute alkali forms β -hydroxy aldehyde. This product on heating with dilute acid forms an unsaturated crotonaldehyde. The compound is	A. CH_3CHO B. $\text{CH}_3\text{CH}_2\text{CHO}$ C. $\text{CH}_2=\text{CH}-\text{CHO}$ D. $\text{HC}=\text{C}-\text{CHO}$
18	The chemical reactivity of glass is reduced by the use of	A. Fluxes B. Formers C. Stabilizers D. None of these
19	Clemensen's reduction of ketones is carried out in	A. H_2 with Pd catalyst B. Glycol with KOH C. LiAlH_4 in water D. Zn-Hg with conc. HCl
20	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol