

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Phenol is a weak acid. The correct order of acid strength of carboxylic acid, phenol and alcohol is	A. Carboxylic acid > phenol > alcohol B. Carboxylic acid > alcohol > phenol C. Phenol > carboxylic acid > alcohol D. Alcohol > phenol > carboxylic acid
2	The next homologue of $C_{10}H_{22}$ will be	A. C_9H_{20} B. $C_{12}H_{26}$ C. $C_{11}H_{24}$ D. $C_{13}H_{28}$
3	A chemical inert and heat resistant plastic, that is made from tetrafluoroethylene, is called	A. Teflon B. PVC C. Bakelite D. Polyamide
4	Benzene does not undergo	A. Substitution reaction B. Addition reaction C. Oxidation reaction D. Elimination reaction
5	Nitration of phenol gives	A. o-nitrophenol B. p-nitrophenol C. m-nitrophenol D. Both o and p-nitrophenol
6	0.1 molar glucose ($C_6H_{12}O_6$) solution has the % W/N	A. 1.8% B. 18% C. 0.18% D. 2.8%
7	Electron affinity of sulphur is	A. More than O and Se B. More than O but less than Se C. Less than O but more than Se D. Equal to O and Se
8	From which of the following tertiary butyl alcohol is obtained by the action of methyl magnesium iodide?	A. HCHO B. CH_3CHO C. CH_3COCH_3 D. CO_2
9	The correct order of electron affinity among the following is	A. F > Cl > Br B. Br > Cl > F C. Cl > F > Br D. F > Br > Cl
10	The boiling point of NH_3 is maximum among the hydrides of group V elements due to:	A. Enhanced electronegative character of Nitrogen B. Pyramidal structure of NH_3 C. Very small size of Nitrogen. D. Enhanced electropositive character of Nitrogen
11	Which is the derived lipid?	A. Common fats B. Vitamin-D C. Common oils D. Spinolipids
12	A cell constant is generally found by measuring the conductivity of aqueous solution of	A. $BaCl_2$ B. KCl C. NaCl D. $MgCl_2$
13	Polypeptide chains are coiled about one another into a spiral by:	A. Ionic bonds B. Covalent bonds C. Van der Waal's forces D. Hydrogen bonds
14	How many g of dibasic acid (mol. wt. 200) should be present in 100 ml of the aqueous solution to give 0.1 Normality?	A. 1 g B. 2 g C. 10 g D. --

		D. 20 g
15	The number of moles of solute in 1000g (1 Kg) of the solvent is called :	A. Molarity B. Molarity C. Normality D. Mole fraction
16	The formula of secondary alcohol is	A. R - OH B. R - CH ₂ OH C. R ₂ CHOH D. R ₃ COH
17	In public urinals, we observe some nascent smell. This smell is due to	A. Hydrolysis of urea of urine by urease of atmosphere into NH ₃ and CO ₂ B. Formation of sulphonic acid by urea of urine C. Reaction of CO ₂ of atmosphere with urea mononitrate in urine D. Hydrogen present in air reacts with nitrogen forming NH ₃
18	Which of the following hydrogen halide is the weakest acid in solution	A. HF B. HBr C. HI D. HCl
19	One mole of oxygen confined in a cylinder fitted with a piston is an example of	A. Surrounding B. System and surrounding C. System D. State function
20	f-block elements are called :	A. Alkali metal B. Alkaline earth metals C. Transition elements D. Electron deficient elements