

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Ethanol can be converted into ethanoic acid :	A. Hydrogenation B. Hydration C. Oxidation D. Fermentation
2	Allotropic forms of sulphur are	A. Two B. Three C. Four D. Five
3	In sixth period 14 of its transition elements are called	A. Lanthanides B. Actinides C. Radioactive elements D. None
4	What mass of NaOH is required to prepare 2.5 dm <sup>3</sup> of 1.5 M NaOH solution	A. 130 g B. 140 g C. 150 g D. 160 g
5	Acyl halide is formed by reacting PCl <sub>5</sub> with	A. Alcohol B. Ester C. Amide D. Both carboxylic acids as well as esters
6	Acetic acid is manufactured by:	A. Distillation B. Fermentation C. Ozonolysis D. Esterification
7	In sp <sup>2</sup> type hybridization the three equivalent sp <sup>2</sup> orbitals lie in the same plane and at angle of	A. 0° B. 60° C. 120° D. 180°
8	Reactivity of alkyl halides with magnesium is of the order:	A. RI > RBr > RCl > RF B. RBr > RCl > RF > RI C. RCl > RF > RI > RBr D. RF > RI > RBr > RCl
9	Fluorine molecule is formed by	A. The axial p-p overlap B. The sidewise p-p overlap C. The axial s-p overlap D. The overlap of two sp <sup>2</sup> hybrid orbitals
10	Ozone layer of stratosphere requires protection from indiscriminate use of	A. Fungicides, insecticides, bactericides and medicines B. Aerosols and high flying jets C. Atomic explosions and industrial wastes D. Balloons and turbo-prop aeroplanes
11	Identify the hydrocarbon formed, when ethyl bromide reacts with, alcoholic KOH at 100°	A. Methane B. Ethane C. Ethene D. Ethyne
12	Which element is deposited at the cathode during the electrolysis of brine in Nelson's cell?	A. H <sub>2</sub> B. Na C. Cl <sub>2</sub> D. O <sub>2</sub>
13	Which one of the following has been hydroxyl and carboxylic acid groups	A. Phenols B. Picric acid C. Phthalic acid

D. Salicylic acid

14	What is not a common use of methane	A. As a fuel B. For the preparation of haloalkanes C. For the preparation of methyl alcohol D. For the preparation of sulphuric acid
15	Which term was derived from atomos?	A. atom B. hydrocarbon C. aromatic D. aliphatic
16	Which of the following statements about acetic, anhydride is not correct	A. It is immiscible with water but is hydrolysed to give acetic acid B. It is prepared by the action of acetyl chloride on the sodium salt of acetic acid C. it reacts with ammonia to give acetamide D. it is a strong acid
17	Ketones are prepared by the oxidation of	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. None of these
18	Ascorbic acid is a chemical name of	A. Vitamin D B. Vitamin A C. Vitamin C D. Vitamin B
19	The apex angle of the folded filter paper is slightly greater than :	A. $60^\circ$ B. $30^\circ$ C. $45^\circ$ D. $90^\circ$
20	Which of the following favours the reverse reaction in chemical equilibrium?	A. Increasing the concentration of the reactant B. Removal of the least one of the products at regular intervals C. Increasing the concentration of one or more of the products D. None of these