

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The gases can be converted into liquids by:	A. Increasing the pressure only. B. Lowering temperature and increasing pressure C. Increasing pressure and bringing temperature below critical points D. Lowering temperature only
2	Reduction of alkyl halides give	A. Alkanes B. Alkenes C. Ketones D. Ether
3	Who one mole of each of the following is completely burned in oxygen, which gives the largest mass of carbon dioxide?	A. Carbon monoxide B. Diamond C. Ethane D. Methane
4	The structure of benzene is	A. Hexagonal B. Pyramidal C. Square planer D. Tetrahedral
5	Which has greater number of moles	A. 0.1 g sodium B. $6.02 \times 10^{20}$ atoms of magnesium C. $20 \text{ cm}^3$ of $0.1 \text{ mole per dm}^3$ of NaOH D. $12.2 \text{ dm}^3$ of nitrogen at standard [A = 23, Mg = 24, O = 16]
6	At constant temperature when pressure of a gas is plotted against volume, the curve is	A. Slanting straight line B. Parabolic C. Staight line, parallel to pressure axis D. OF neither type
7	Ozonolysis of benzene gives	A. nitration B. sulphonation C. ozonide D. glyoxal
8	When formaldehyde is added to Grignard reagent we get	A. Aldehyde B. Acetone C. Primary alcohol D. Secondary alcohol
9	Which one of the following statements about glucose and sucrose is incorrect?	A. Both are soluble in water B. Both are naturally occuring C. Both are carbohydrates D. Both are disaccharides
10	With the reference of w/m ratio of anode rays, the e/m ratio of cathode rays s:	A. Greater. B. same. C. Smaller. D. Not fixed.
11	Which nitrogen fertilizer is favoured in tropical regions because of its-hygroscopic nature	A. Ammonium sulphate B. Ammonium nitrate C. Ammonium chloride D. Ammonium phosphate
12	When the solute is present in trace quantities the following expression is used	A. Gram per million B. Milligram percent C. Microgram percent D. Parts per million
13	Which of the following is an inert gas?	A. $\text{H}_2$ B. $\text{O}_2$ C. $\text{N}_2$ D. Argon
14	Ethyl acetate is obtained when methyl magnesium iodide reacts with	A. Ethyl formate B. Ethyl chloroformate

		C. Acetyl chloride D. carbondioxide
15	Which is the used as test for the presence of alkenes	A. Reaction of cold dilute alkaline $\text{KMnO}_4$ B. Combustion C. Polymerization D. Catalytic hydrogenation
16	Aldehydes and ketones are carbonyl compounds. Which of them react both with $\text{NaBH}_4$ and with Tollen's reagent	A. Both aldehydes and ketones B. Aldehydes only C. Ketones only D. Neither aldehydes nor ketones
17	Sodium phenoxide reacts with $\text{CO}_2$ at 400 K and 4.7 atm pressure to give	A. Sodium salicylate B. Salicyl aldehyde C. Catechol D. Benzoic acid
18	Equal volumes of 0.1 M $\text{AgNO}_3$ and 0.2 M $\text{NaCl}$ are mixed. The concentration of $\text{NO}_3^-$ ions in the mixture will be	A. 0.1 M B. 0.05 M C. 0.2 M D. 0.15 M
19	The acid present in the stings of bees and wasps in	A. Acetic acid B. Formic acid C. Formalin D. Formaldehyde
20	Heat of neutralization of weak acid and a strong base is	A. 13.7 Kcal B. Less than 13.7 Kcal C. Greater than 13.7 Kcal D. None of these