

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Cotton has cellulose in it:	A. 96% B. 97% C. 98% D. 99%
2	Acetic acid is manufactured by:	A. Distillation B. Fermentation C. Ozonolysis D. Esterification
3	The pH of $10^{-3}$ mole $\text{dm}^{-3}$ of an aqueous solution of $\text{H}_2\text{SO}_4$ is	A. 3.0 B. 2.7 C. 2.0 D. 1.5
4	Which element does not belong to 3d transition series	A. Ti B. V C. Mn D. Te
5	Two different hydrocarbon each contain the same percentage by mass of hydrogen. It follows that they have the same	A. Empirical formula B. Number of atoms in a molecules C. Number of isomers D. Relative molecular mass
6	Potassium superoxide has a use in breathing equipment in space crafts. The balanced equation for the reaction is	
7	With increases in temperature of 10 K of the reacting gases the rate of reaction is doubled because	A. Increase in number of collisions B. Number of molecules having energy more than $E_a$ is doubled C. Increase in order of reaction D. Increase in surface area
8	Which of the following liquids has low vapour pressure at $25^\circ\text{C}$ :	A. Diethyl ether B. Acetone. C. Water. D. Ethyl alcohol.
9	The base used in Cannizzaro's reaction is	A. NaOH B. KOH C. $\text{CH}_3\text{MgBr}$ D. All of these
10	$\text{S}_\text{N}2$ reactions can be best carried out with:	A. Pri. alkyl halide B. Sec. Alkyl halide C. Ter. Alkyl halide D. All of three
11	Which of the following does not turn Schiff's reagent to pink?	A. Formaldehyde B. Benzaldehyde C. Acetone D. Methyl chloride
12	An organic acid having molecular formula $\text{C}_2\text{H}_4\text{O}_2$ is	A. Formic acid B. Acetic acid C. Oxalic acid D. Propionic acid
13	Among the following the most reactive towards alcoholic KOH is	A. $\text{CH}_3\text{CH}_2\text{Br}$ B. $\text{CH}_3\text{CH}_2\text{CH}_2\text{COCH}_2\text{CH}_2\text{CH}_2\text{Br}$ C. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{Br}$ D. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{Br}$
14	Question Image	A. Rate is independent of concentration of water since it is in excess B. Rate is independent of concentration of ester since it is in excess C. Rate depends upon the concentration of acid catalyst added D. Rate = $k[\text{CH}_3\text{COOC}_2\text{H}_5]^2[\text{H}^+]$

15	Dilatometer method is useful for the reaction that involve :	A. Small volume changes in solutions B. Change in refractive indices C. Where reactants absorb U.V, visible or infrared radiation
16	At present the number of fertilizers plants in Pakistan are	A. 10 B. 12 C. 14 D. 20
17	Which one is primary alcohol?	A. Buten-2-ol B. Propan-2-ol C. Butan-1-ol D. 2,3-Dimethylhexane-4-ol
18	In incinerating the waste is burnt at	A. 1000°C B. 100°C C. 2000°C D. 1500°C
19	Variable valency is generally exhibited by	A. Normal elements B. Transition elements C. Metallic elements D. None of these
20	Replacement of Cl of Chlorobenzene to give phenol requires drastic conditions but chlorine of 2, 4-Dinitrochlorobenzene is readily replaced because	A. NO <sub>2</sub> makes the electron rich ring at ortho and para positions B. NO <sub>2</sub> withdraws electrons at metaposition C. NO <sub>2</sub> donate electrons at m-position D. NO <sub>2</sub> withdraws electrons at ortho and para position