

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Hydrocarbons are organic compounds which contain elements such as	A. Hydrogen B. Carbon C. Hydrogen and carbon D. Halogens
2	When aqueous solution of NaOH is electrolysed using graphite electrodes, the product obtained at anode is	A. $O_2$ gas B. $H_2$ gas C. Na metal D. $Na_2O$
3	Which of the following statement is not related to Solvay's process of $Na_2CO_3$	A. Cheap materials B. Pure product C. Continuous process D. Harmful by-products
4	Which of the following orbitals have a dumb bell shape?	A. s B. p C. d D. f
5	Which colour is imparted by sodium	A. Yellow B. Violet C. Red D. Crimson
6	Keeping the temperature constant, if the gas is expanded	A. kinetic energy of molecules will increase B. Number of gas molecules increases C. Temperature will increases D. Pressure will decrease
7	ph of the buffer $CH_3COOH + CH_3COONa$ is 3.76. If the mixture contains 1 molar acetic acid and 0.1 molar sodium acetate, then pKa of this buffer is	A. 3.76 B. 4.76 C. 5.76 D. 6.76
8	The degree of polarity of molecule is known as its	A. Dipole moment B. Moment arm C. Bond energy D. Ionic character
9	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
10	Colour of chlorine is	A. Pale yellow B. Greenish yellow C. Red brown D. Greyish black
11	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
12	Which of the element is not an alkaline earth metal	A. Beryllium B. Strontium C. Barium D. Caesium
13	Which of the following is a method of converting a unsaturated ketone into unsaturated hydrocarbon?	A. Aldol condensation B. Reimer Tiemann reaction C. Cannizzaro's reaction D. Wolf-kishner reduction
14	Polymer found by the combining of three different monomers is called:	A. Homopolymer B. Copolymer C. Ter polymer D. Thermoplastic polymer
15	Units of molarity are	A. gm/lit B. mol/lit C. kg/lit D. ...

		D. None of these
16	The entropy of the universe	A. Constant B. Is equal to zero C. Decreasing D. Increasing
17	The human body can synthesize _____ amino acids	A. 1 B. 10 C. 20 D. 19
18	Which one of the following pentafluorides cannot be formed?	A. $\text{PF}_5$ B. $\text{AsF}_5$ C. $\text{SbF}_5$ D. $\text{BiF}_5$
19	Which of the following molecules have multiple bonds	A. $\text{CH}_4$ B. $\text{C}_2\text{H}_4$ C. $\text{C}_2\text{H}_6$ D. $\text{CCl}_4$
20	Formation of a cation is:	A. Exothermic process B. Non-endothermic process C. Endothermic process D. None of above