

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Gases of air, always remain in random motion and do not settle due to	A. Difference in molecular masses of air gases B. Difference in partial pressure of gas molecules C. Unequal number of different gas molecules D. Elastic collision of gas molecules
2	Electronegativity order of alkyl halides is:	A. RI > RBr > RCl > RF B. Rbr > RCl > RF > RI C. RCl > RF > RI > RBr D. RF > RI > RBr > RII
3	At present cement plants in Pakistan are	A. ten B. twenty two C. four D. twenty four
4	A reaction is reversible because :	A. Products are stable. B. Reactants are reactive. C. Products are reactive. D. Reactants re stable.
5	Enzymes are catalysts which contain other than carbon and hydrogen one other element	A. Oxygen B. Sulphur C. Phosphorus D. Iodine
6	Photons of yellow colour are _____ energetic than violet colour	A. More B. Less C. Equal D. None
7	A state function is a	A. Microscopic property B. Macroscopic C. Unique property D. Both a and c
8	A solution of two component is called	A. Binary solution B. Dilute solution C. Original solution D. Standard solution
9	The coordination number of iron in $[\text{Fe}(\text{H}_2\text{O})_6]^{3+}$ is	A. 2 B. 3 C. 4 D. 6
10	10 ml of 1.5 M NaOH solution is neutralized by 20 ml of a-M HCl solution. The value of 'a' will be	A. 1.0 B. 0.75 C. 0.5 D. 0.25
11	Almost forward reaction is complete when value of $k_c$ :	A. Neither larger nor very small. B. Very small. C. Very large. D. Negligible.
12	Smell of halogens is:	A. Fruity B. Sweet C. Irritating D. Rotten egg
13	Which of the following elements have the largest radius	A. F B. Cl C. Br D. I
14	In endothermic reactions, the heat content of the	A. Products is more than that of reactants B. Reactants is more than that of products C. Both a and b D. None of the above

15	Which of the following molecules have multiple bonds	<p>A. <math>\text{CH}_4</math></p> <p>B. <math>\text{C}_2\text{H}_4</math></p> <p>C. <math>\text{C}_2\text{H}_6</math></p> <p>D. <math>\text{CCl}_4</math></p>
16	Atmosphere of big/metropolitan cities is polluted most by	<p>A. Automobile exhausts</p> <p>B. Pesticide residue</p> <p>C. Household waste</p> <p>D. Radio-active fall out</p>
17	Which is used for the reduction of aldehydes and ketones	<p>A. <math>\text{NaBH}_4</math></p> <p>B. Pt/Pd</p> <p>C. Ni</p> <p>D. All of these</p>
18	The sample being analyzed is called	<p>A. Electrolyte</p> <p>B. Substance</p> <p>C. Analyte</p> <p>D. All of above</p>
19	Alcohols are derivatives of:	<p>A. Benzene</p> <p>B. Alkanes</p> <p>C. Alkenes</p> <p>D. Alkynes</p>
20	The test used for the detection of ethanol in the mouth of a drunk driver is that the drunk driver is asked to blow air from mouth into a solution of $\text{K}_2\text{Cr}_2\text{O}_7$ and $\text{H}_2\text{SO}_4$ . The colour changes, if the driver is drunk	<p>A. From orange to green</p> <p>B. From pink to green</p> <p>C. From orange to colorless</p> <p>D. From pink to colorless</p>