

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	In the reaction $6\text{NaOH} + 3\text{Cl} \rightarrow 5\text{NaCl} + \text{H}_2\text{O} + \text{NaClO}_3$, Chlorine is.	A. Oxidized B. Both C. Reduced D. None
2	Rutherford's experiment led to the discovery of	A. Nucleus B. Electron C. Proton D. alpha particle
3	The characteristic reactions of alkanes are	A. Addition reactions B. Substitution reactions C. Condensation reactions D. Polymerization reactions
4	Which is plaster of paris?	A. $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ B. $(\text{CaSO}_4) \cdot \frac{1}{2}\text{H}_2\text{O}$ C. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ D. $\text{CaSO}_4 \cdot 3\text{H}_2\text{O}$
5	The intramolecular force in gases are :	A. Weak B. Normal C. Very weak D. Strong
6	Ethylene reacts with 1% cold alkaline KMnO_4 to give	A. Oxalic acid B. Acetone C. Ethylene glycol D. Formaldehyde
7	Bohr model of atom is contradicted by:	A. Planck's quantum theory B. Pauli's exclusion theory C. Heisenberg's uncertainty principle. D. All of above.
8	Which statement is incorrect for an ideal solution	A. The forces of attractions between solute and solvent molecules are same B. There is no evolution or absorption of heat C. Volume of the solution is less than sum of volumes of individual components D. Vapour pressure of solution is directly proportional to the mole fraction of solvent
9	Which of the following cannot conduct electricity :	A. NaCl fused. B. $\text{NaCl}(\text{aq})$ C. Solid NaCl D. Both (b) and (c)
10	For a gas obeying Boyle's law if pressure is doubled, the volume becomes :	A. Remain constant B. Double C. One half D. None of above
11	The tip of funnel should be 1 or 2cm larger than the circle of the	A. Beaker B. Solid C. Filter paper D. Liquid

12	Which of the following (1 M) conducts more electricity?	A. Sulphuric acid B. Boric acid C. Nitric acid D. Phosphorus acid
13	Electronegativity values of the elements F, Cl and Br vary	A. F > Cl > Br B. Br > Cl > F C. Cl > Br > F D. Cl > F > Br
14	Aldehydes which do not have α -hydrogen undergo	A. Aldol combination B. Cannizzaro's reaction C. Substitution D. Elimination
15	After chlorination, the pulp is washed at	A. 20°C B. 30°C C. 40°C D. 60°C
16	In a group of periodic table, atomic radii is:	A. Remains same. B. Increases. C. First decreases then increases. D. Decreases.
17	Alcohols are derivatives of:	A. Benzene B. Alkanes C. Alkenes D. Alkynes
18	Acetylene had a characteristic ethereal smell resembling that of	A. Ginger B. Vinegar C. Garlic D. Onion
19	pH of 0.1 molar HCl solution is	A. 1 B. zero C. 13 D. 14
20	The bond order for He ₂ molecule is	A. zero B. 1/2 C. 1 D. 2