

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Analytical chemistry is the science of :	A. Chemical Characterization.B. Physical Characterization.C. Biological Characterization.D. Biochemical Characterization.
2	Denaturation of protein means the structure of protein is disrupted, indicate which factor foes not denature protein	A. Heating protein B. pH changes C. Oxidising agent D. Keeping pH 7.35
3	Metals like Fe, Mg, Al, Cr, Zn have more negative reduction potentials that is whey	A. These don't react with steam B. These react very slowly with steam to liberate H ₂ gas C. These react rapidly with steam to produce the metallic oxides and liberate H ₂ gas D. These react with cold water violently
4	How should condition be changed to prevent the volume of a given gas from expanding whine its mass is increased?	A. Temperature is lowered and pressure is increased B. Temperature is increasedand pressure is lowered C. Temperature and pressure both are lowered D. Temperature and pressure both are increased
5	The oxides of beryllium are	A. acidic B. basic C. amphoteric D. none of these
6	Chemical reactivity of elements depends upon their characteristic:	A. Shape. B. Color. C. Electronic configuration. D. Sizes
7	The net heat in a chemical reaction is same, whether it is brought about in two or more different ways in one or several steps. It is known as	A. Henry's law B. Joule's princile C. Hess's law D. law of conservation of energy
8	Cyanohydrin of which of the following forms lactic acid	A. HCHO B. CH ₃ COCH ₃ C. CH ₃ CHO D. CH ₃ CH ₂ CH ₂ CHO
9	Which molecule out of given molecules will not form hydrogen bond with another of the given molecules.	A. NH3 B. CH3OH C. CH2NH3 D. CH2CHO
10	When ethylene glycol is heated with acidified potassium permanganate, the main organic compound obtained is	A. Oxalic acid B. Glyoxal C. Formic acid D. Ethanol
11	During oxidation in k ₂ Cr ₂ O ₇ , Cr VI changes to :	A. I B. II C. III D. IV
12	When 0.1 g of magnesium is treated with an excess of hydrochloric acid, what volume of gas at room temperature and pressure will be produced	A. 10 cm ³ B. 25 cm ³ C. 48 cm ³ D. 100 cm ³
13	The highest temperature at which a substance can exist as a liquid is called its	A. Critical temperature B. Zero temperature C. Absolute temperature D. None of above
14	The radius of ion while considering it to be spherical in shape is called:	A. Covalent radii. B. Atomic radii. C. Ionic radii. D. Both (a) and (C).
		A. Ketol

15	Which reaction is of condensation or addition elimination reaction?	B. Aldol C. Cannizzaro D. All of these
16	Alcohols are named by replacing 'e' of alkane with:	A. al B. ene C. ol D. one
17	Which property is not present in non-methals	A. Predominantly covalent B. Poor conductor C. Hig E.N. value D. High electropositivity
18	A complete chemical Characterization of a compound must include:	A. Qualitative analysisB. Chemical analysisC. Quantitative analysisD. None of above
19	Nitration of phenol gives	A. o-nitrophenol B. p-nitrophenol C. m-nitrophenol D. Both o and p-nitrophenol
20	Question Image	A. It decolourises aqueous bromine rapidly B. It is insoluble in water C. It reduces Fehling's reagent D. Two molecules react with each other in the presence of a strong acid