

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Aldehydes are the oxidation product of	A. P-alcohols B. s-alcohols C. ter-alcohols D. carboxylic acids
2	When electricity is passed through molten electrolyte consisting of alumina and cryolite, 13.5 g of Al are deposited. The number of faradays of electricity passed must be	A. 2.0 B. 1.5 C. 1.0 D. 0.5
3	In an electrolytic cell, the electrons flow from :	A. Cathode to anode or opposite B. Cathode to anode C. Anode to cathode D. Random flow
4	Aldehydes and ketones are carbonyl compounds. Which of them react both with NaBH ₄ and with Tollen's reagent	A. Both aldehydes and ketones B. Aldehydes only C. Ketones only D. Neither aldehydes nor ketones
5	During redox reaction an oxidizing agent	A. Gains electrons B. Is oxidized C. Loses electrons D. Hydrolysed
6	Concentration of rectified spirit is:	A. 12% B. 14% C. 90% D. 95%
7	Which element belongs to group V-A?	A. Cs B. Ba C. Sr D. Bi
8	Which statement about Arrhenius equation is incorrect	A. Factor 'A' called Arrhenius constant depends upon collision frequency of reactants B. Rate of reaction increase by increasing temperature C. Rate constant k is increased D. Activation energy E _a is decreased by rise in temperature
9	Sintered glass is porous material used for:	A. Absorption B. Decoration C. Filtration D. All of above
10	The degree of polarity of molecule is known as its	A. Dipole moment B. Moment arm C. Bond energy D. Ionic character
11	How much pesticides have been synthesized at present?	A. Four thousands B. Six thousands C. Eight Thousands D. Ten thousands
12	In Bohr model of hydrogen atom the distance between adjacent orbits increases away from the nucleus, the energy difference between the orbits	A. Increases B. Decreases C. Reaming same D. Orbits coincide
13	Which of the following acid can be used as a catalyst in Friedal Craft's reactions	A. AlCl ₃ B. HNO ₃ C. BeCl ₂ D. NaCl
	$N_2 + 3H_2 \rightleftharpoons 2NH_3$	A. By adding NH ₃ B. By removing

14	Which of the following change will favor the formation of more NH_3 at equilibrium in above reaction :	background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">H₂.</sub> C. By decreasing pressure. D. By increasing pressure.
15	95% ethanol is called:	A. Rectified other B. Diesel C. Rectified spirit D. Petrol
16	Which fills the space between needles in cement setting?	A. $\text{Ca}(\text{OH})_2$ B. $\text{Al}(\text{OH})_3$ C. CaCO_3 D. MgSO_4
17	The most acidic of the following compounds is	A. P_2O_3 B. Sb_2O_3 C. B_2O_3 D. As_2O_3
18	Bakelite is obtained from phenol by reacting with	A. Acetaldehyde B. Acetal C. Formaldehyde D. Chlorobenzene
19	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
20	The standard enthalpy change in the formation of 1 mole of a compound from its elements in their standard physical states is	A. Enthalpy of formation B. Enthalpy of atomization C. Enthalpy of neutralization D. Internal energy change