

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Prevention of corrosion of iron by Zn coating is called	<p>A. Galvanization B. Cathodic protection C. Electrolysis D. Photoelectrolysis</p>
2	Which is the property of benzene:	<p>A. Decolourizes KMnO_4 B. straight chain structure C. only double bond is present D. triple and double bond</p>
3	Which of the following will have the same number of molecules at STP ?	<p>A. 280 cm^3 of CO_2 and 280 cm^3 of N_2O B. 11.2 dm^3 of O_2 and 32 g of CO_2 C. 44 g of CO_2 and 11.2 dm^3 of CO D. 28 g of N_2 and 5.6 dm^3 of oxygen</p>
4	Which is laughing gas?	<p>A. NO B. N_2O C. NO_2 D. NO_3</p>
5	Aqua Regia is found when HCl and HNO_3 mixed in following ration.	<p>A. 1 : 1 B. 2 : 1 C. 1 : 3 D. 3 : 1</p>
6	5-d series is in the period :	<p>A. 4th B. 5th C. 6th D. 7th</p>
7	Formalin is:	<p>A. 10% solution of formaldehyde in water B. 20% solution of formaldehyde in water C. 40% solution of formaldehyde in water D. 60% solution of formaldehyde in water</p>
8	Alkaline earth metals posses two electrons in their outermost	<p>A. F-orbital B. D-orbital C. S-orbital D. P-orbital</p>
9	Which on of the following compounds does not exist?	<p>A. NCl_5 B. AsF_5 C. SbCl_5 D. PF_5</p>
10	The shape of ClO_3^- according to valence shell electron pair repulsion theory will be	<p>A. Planar triangle B. Pyramidal C. Tetrahedral D. Square planar</p>
11	Choose the correct answer of transition elements?	<p>A. Transition elements have low melting points B. Transition elements do not have catalytic activity C. Transition elements exhibit variable oxidation states D. Transition elements exhibit inert pair effect</p>
		<p>A. Strecker synthesis</p>

12	When hydrogen cyanide is added to an Aldehyde in the presence of ammonia it is called	B. Cory house synthesis C. Williamson;s synthesis D. None of these
13	Question Image	A. Three times B. Six times C. Nine times D. Two times
14	In which reaction, aromatic aldehyde is treated with acid anhydride in the presence of corresponding salt of the acid to give unsaturated aromatic acid?	A. Friedel-Crafts reaction B. Perkin's reaction C. Wurtz reaction D. None of these
15	Law of mass action states that rate of chemical reaction is directly proportional to the product of active masses of the reactants. The term active mass means	A. Mass in grams converted to products B. Number of moles C. Number of moles per dm^3 of reactants D. Total pressures of the reactants
16	Question Image	A. Small change in concentration of product B. Small time interval C. Co-efficient of the reactant D. Co-efficient of the product
17	The structure of complex hydrides is	A. Tetrahedral B. Trigonal C. Octahedral D. Square planar
18	During the manufacturing process of cement the temperature of the decomposition zone goes up to	A. 600°C B. 800°C C. 1000°C D. 1200°C
19	Aqua Regia has ration of conc. HCl and HNO ₃ .	A. 1 : 2 B. 1 : 3 C. 1 : 4 D. 2 : 3
20	Which of the following will have the highest boiling point at 1 atm pressure?	A. 0.1 M NaCl B. 0.1 M Sucrose C. 0.1 M BaCl ₂ D. 0.1 M Glucose