

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which is the formula of tetra-ammine chloro-nitro platinum (IV) sulphate	<p>A. $[\text{Pt}(\text{NH}_3)_4(\text{NO}_2)_4]\text{SO}_4$</p> <p>B. $[\text{Pt}(\text{NO}_2)_2\text{Cl}(\text{NH}_3)_4]\text{SO}_4$</p> <p>C. $[\text{Pt}(\text{Cl})(\text{NO}_2)(\text{NH}_3)_3]\text{SO}_4$</p> <p>D. $[\text{Pt}(\text{NH}_3)_3(\text{NO}_2)_4]\text{ClSO}_4$</p>
2	Misch metal is	<p>A. An alloy of Aluminium</p> <p>B. A mixture of chromium and lead chromate</p> <p>C. An alloy of lanthanoid metals</p> <p>D. An alloy of copper</p>
3	Which of the following is a thermosetting plastic	<p>A. PVC</p> <p>B. Polyethylene</p> <p>C. Polystyrene</p> <p>D. Melamines</p>
4	Which of the following is a constituent of nylon?	<p>A. Adipic acid</p> <p>B. Styrene</p> <p>C. Teflon</p> <p>D. None of these</p>
5	Which is not carboxylic acid with pungent smell?	<p>A. Formic acid</p> <p>B. Acetic acid</p> <p>C. Ethanoic acid</p> <p>D. Butyric acid</p>
6	The 95.5% mass of Lithosphone is made of 11 elements i.e. O ₂ , Si, Al, Fe, Ca, Na, K, Mg, Ti, H ₂ and P. which element is present in trace amount	<p>A. Iodine</p> <p>B. Bromine</p> <p>C. Lead</p> <p>D. Carbon</p>
7	Milk of lime is	<p>A. MgO</p> <p>B. CaO</p> <p>C. $\text{Ca}(\text{OH})_2$</p> <p>D. $\text{Mg}(\text{OH})_2$</p>
8	Sulphuric acid has great affinity for water because	<p>A. It hydrolyses the acid</p> <p>B. It decomposes the acid</p> <p>C. Acid forms hydrates with water</p> <p>D. Acid decomposes water</p>
9	Odour of alkene is:	<p>A. Fruity</p> <p>B. Odourless</p> <p>C. Garlic like</p> <p>D. Irritating</p>
10	Grignard's reagent is	<p>A. Alkyl halide</p> <p>B. Magnesium halide</p> <p>C. Alkyl magnesium halide</p> <p>D. Etheral solution of an alkyl halide</p>
11	Which of the following sulphates has the highest solubility in water	<p>A. BaSO_4</p> <p>B. CaSO_4</p> <p>C. MgSO_4</p> <p>D. BeSO_4</p>
12	The amount of heat evolved or absorbed in a chemical reaction indicated by balanced chemical equation at 25° and one atmospheric pressure is called	<p>A. Enthalpy of formation</p> <p>B. Enthalpy of neutralization</p> <p>C. Enthalpy of combustion</p> <p>D. Enthalpy of reaction</p>
13	The oxyacids of phosphorus in which phosphorus has the lowest oxidation state is	<p>A. Hypophosphorus acid</p> <p>B. Orthophosphorus acid</p> <p>C. Pyrophosphorus acid</p> <p>D. Metaphosphorus acid</p>

A. Transition elements have low melting points

14	Choose the correct answer of transition elements?	<p>B. Transition elements do not have catalytic activity</p> <p>C. Transition elements exhibit variable oxidation states</p> <p>D. Transition elements exhibit inert pair effect</p>
15	The rate constant k of a reaction activation energy E_a and temperature are related by Arrhenius in the form of an equation which is	
16	One mole of SO_2 contains	<p>A. 6.02×10^{23} atoms of oxygen</p> <p>B. 18.1×10^{23}, molecules of SO_2</p> <p>C. 6.02×10^{23} atoms of sulphur</p> <p>D. 4 gram atoms of SO_2</p>
17	Palmitic acid & stearic acid are obtained from process of fats & oils:	<p>A. Reduction</p> <p>B. Neutralization</p> <p>C. oxidation</p> <p>D. hydrolysis</p>
18	A solution containing maximum amount of solute dissolved at a given temperature is called	<p>A. Saturated solution</p> <p>B. Unsaturated solution</p> <p>C. Supersaturated solution</p> <p>D. Impure solution</p>
19	The IA elements are called	<p>A. Alkaline earth metal</p> <p>B. Alkaline metals</p> <p>C. The halogens</p> <p>D. The inert gases</p>
20	Which one of the following dissolves more rapidly in blood hemoglobin than oxygen?	<p>A. Ozone</p> <p>B. Nitrous oxide</p> <p>C. Sulphure dioxide</p> <p>D. Carbon monoxide</p>