

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	During the preparation of alkanes the hydrogenation of alkenes or alkynes the catalyst may be	A. H_2SO_4 B. Ni C. Fe_2O_3 D. Al_2O_3
2	An example of water soluble vitamin is	A. Vitamin D B. Vitamin E C. Vitamin A D. Vitamin C
3	Rusting of iron is catalysed by	A. Fe B. O_2 C. Zn D. H^+
4	Which of the following statement about fluorine is not correct?	A. Electron affinity of chlorine is greater than that of fluorine B. Bond energy of fluorine is less than that of chlorine C. Fluorine cannot be prepared by electrolysis of fused metal fluorides D. Fluorine does not form oxoacid
5	The method in which alkanes prepared by alkyl halides in the presence of palladium - charcoal is	A. Hydrolysis B. Electrolysis C. Hydrogenation D. Hydrogenolysis
6	Which of the following equation represents reaction when lithium nitrate is heated.	A. $2\text{LiNO}_3 \rightarrow \text{Li}_2\text{O} + \text{NO}_2$ B. $4\text{LiNO}_3 \rightarrow 4\text{Li}_2\text{O} + 4\text{NO}_2 + \text{O}_2$ C. $\text{LiNO}_3 \rightarrow \text{Li}_2\text{O} + 4\text{NO}_2$ D. $2\text{LiNO}_4 \rightarrow \text{Li}_2\text{O} + \text{NO}_2 + \text{O}_2$
7	Metallic conduction is also called as :	A. Ionic conduction. B. Protonic conduction. C. Electronic conduction D. Super conduction
8	Baukelite is a polymer obtained from two monomers	A. Phenol and ethanol B. Phenol and methanol C. Phenol and methanal D. Phenol and acetone
9	Which one of the following solution will have higher vapour pressure than that of water	A. Aqueous solution of methanol B. Aqueous solution of HCl C. Aqueous solution of glucose D. Aqueous solution of urea
10	If a reactant or product of a reaction absorbs radiation, then physical method for determining the rate of reaction is	A. Spectrometry B. Refractometry C. Conductivity measurement D. Optical method
11	The charge over mass ratio of electron is:	A. $1.6 \times 10^{-19} \text{ C Kg}^{-1}$ B. $9.1 \times 10^{-31} \text{ C Kg}^{-1}$ C. $1.7588 \times 10^{-11} \text{ C Kg}^{-1}$ D. $1.7588 \times 10^{-11} \text{ C Kg}^{-1}$

background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;";>6.62 x 10⁻³⁴</sup> C Kg⁻¹</sup><o:p></o:p></p>

12	CO ⁺ is an example of	<p>A. Stable molecule</p> <p>B. Anionic molecule ion</p> <p>C. Cationic molecular ion</p> <p>D. Free radical</p>
13	In the earth crust sodium is	<p>A. 2.50%</p> <p>B. 2.30%</p> <p>C. 2.40%</p> <p>D. 3.50%</p>
14	The boiling points of alcohols are higher than the corresponding alkanes, This is because	<p>A. Of hydrogen bonding existing between molecules of alcohols</p> <p>B. Alkanes are dipolar compounds</p> <p>C. Alcohols are sweet in taste</p> <p>D. Alcohols are soluble in water</p>
15	Where energy is released during a reaction it is	<p>A. Exothermic reaction</p> <p>B. Endothermic reaction</p> <p>C. A free radical reaction</p> <p>D. A bond breaking reaction</p>
16	The amount of products obtained from the balanced chemical equation is regarded as	<p>A. Theoretical yield</p> <p>B. Actual yield</p> <p>C. % yield</p> <p>D. Experimental yield</p>
17	Among the following the most reactive towards alcoholic KOH is	<p>A. CH₃CH=CHBr</p> <p>B. CH₃CH₂COCH₂CH₂Br</p> <p>C. CH₃CH₂CH₂Br</p> <p>D. CH₃CH₂CH₂CH₂Br</p>
18	When a piece of zinc is added to the copper sulphate solution, _____ colour of solution disappear	<p>A. Pink</p> <p>B. Purple</p> <p>C. Blue</p> <p>D. Brown</p>
19	The increase in size of the anion is due to:	<p>A. Increase in electron-electron repulsion</p> <p>B. Increase in valence shell electrons.</p> <p>C. Decrease in valence shell electrons.</p> <p>D. Both (a) and (b).</p>
20	Which three elements are needed for the healthy growth of plants?	<p>A. N, S, P</p> <p>B. N, Ca, P</p> <p>C. N, P, K</p> <p>D. N, K, C</p>