

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Identify the incorrect statement with respect to ozone	<p>A. Ozone is formed in the upper atmosphere by a photochemical reaction involving dioxygen</p> <p>B. Ozone is more reactive than dioxygen</p> <p>C. Ozone is diamagnetic whereas dioxygen is paramagnetic</p> <p>D. Ozone protects the earth's inhabitants by absorbing gamma-radiations</p>
2	The fibre which is obtained from naturally occurring proteins is called	<p>A. Saran</p> <p>B. Azlon</p> <p>C. Rayon</p> <p>D. Nylon</p>
3	Which of the following gives iodoform on heating with a solution of I_2 containing Na_2CO_3 ?	<p>A. Ethyl alcohol</p> <p>B. Acetone</p> <p>C. Ethyl alcohol as well as acetone</p> <p>D. Methyl alcohol</p>
4	Which one of the following is the most abundant organic substance found in nature	<p>A. Fructose</p> <p>B. Starch</p> <p>C. Glucose</p> <p>D. Cellulose</p>
5	Zwitter ion is _____ ion an amino acid	<p>A. Polar</p> <p>B. Monopolar</p> <p>C. Dipolar</p> <p>D. Non polar</p>
6	Question Image	<p>A. Treatment with HCN followed by acid hydrolysis</p> <p>B. Oxidation of acetaldehyde followed by basic hydrolysis</p> <p>C. Treatment with HCN followed by reduction</p> <p>D. Treatment with HCN followed by oxidation</p>
7	Carboxylic acid, ester, amide and amino groups are shown. Which is the correct description of these functional groups	
8	Alkanes have functional group :	<p>A. ----X</p> <p>B. --OH</p> <p>C. ----COH</p> <p>D. No functional group</p>
9	Amino acids are building blocks of:	<p>A. Protein</p> <p>B. Carbohydrates</p> <p>C. Lipids</p> <p>D. Fats</p>
10	Which one of the following has continuous solubility curve	<p>A. NH_4NO_3</p> <p>B. CaCl</p> <p>C. $CaCl_2 \cdot 6H_2O$</p> <p>D. $Na_2SO_4 \cdot 10H_2O$</p>
11	Copolymer is	<p>A. Nylon-6</p> <p>B. Nylon 66</p> <p>C. PMMA</p> <p>D. Polyethylene</p>
12	In the expression rate = $K [A]^a [B]^b$ K is	<p>A. The order of reaction</p> <p>B. The speed of reaction</p> <p>C. The specific rate constant</p> <p>D. The overall order of reaction</p>
13	When a nitrogenous base combine with a sugar it is called	<p>A. Ribose</p> <p>B. Nucleotides</p> <p>C. Nucleoside</p> <p>D. None</p>

14	K_b for NH_4OH is 1.81×10^{-5} , then K_a value of its conjugate base is	A. $1.81 \times 10^{+5}$ B. 1.81×10^{-9} C. 5.5×10^{-9} D. 5.5×10^{-10}
15	Alcohol reacts with halogen acid to produce	A. Alkyl halides B. Aldehydes C. Ketones D. Alkanes
16	The nature of the positive rays depend on	A. The nature of the electrode B. The nature of the discharge tube C. The nature of the residual gas D. All of the above
17	Acetic acid is 1.33% ionized, In 1000 molecules of 0.1 M acetic acid the number of H^+ ions is	A. 1.33 B. 13.3 C. 1.33 D. 1
18	A carbon atom carrying a positive charge and attached to three other atoms of groups is called	A. Caronium ion B. Carbanion C. Oconium ion D. Carba ion
19	General formula of alcohol is:	A. ROH B. Ar-OH C. R-O-R D. Ph-OH
20	The oxidation number of Mn in KMnO_4 is	A. +2 B. +4 C. +6 D. +7