ECAT Chemistry Chapter 23 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Give IUPAC name fo Acetone	A. Ethanal B. Propanone C. Butanone D. Propanal
2	Which is used for the reduction of aldehydes and ketones	A. NaBH₄ B. Pt/Pd C. Ni D. All of these
3	Formalin is:	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
4	Aldehydes are reduced to :	A. Pri-alcohol B. Sec-alcohol C. Ter-alcohol D. All of these
5	Aromatic aldehydes undergo disproportionation in presence of sodium or potassium hydroxide to give corresponding alcohol and acid. The reaction is known as	A. Wurtz reaction B. Cannizzaro reaction C. Friedel Craft reaction D. Claisen reaction
6	Aldehyde and small methyl ketones form crystalline _____ ppts with saturated sodium bisulphate solution	A. White B. Red C. Yellow D. None of these
7	Which of the following reagents is used to distinguish acetone and acetophenone	A. NaHSO₃ B. Grinard reagent C. Na₂SO₄ D. NH₄Cl
8	Cannizzaro's reaction is type of reaction:	A. Self oxidation-reduction reaction B. Disproportion reaction C. Addition D. A and B
9	The product of the reaction between propanone and HCN is hydrolysed under acidic conditions. What is the formula of the final product	A. CH₃CH(OH)COOH B. CH₃CH₂CH(OH)COOH C. (CH₃)₂C(OH)COOH D. CH₃CH₂CH₂COOH
10	Which alcohol may be oxidised to a product which react with 2,4-dinitorphenylhydrazine reagent but not with Fehling's reagent	A. Butan-1-ol B. Butan-2-ol C. 2-methylpropan-1-ol D. 2-methylpropan-2-ol
11	The colour of ppts formed by Fehling's test is	A. Brick red B. Red C. Yellow D. Orange
12	Ketones are reduced to	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. All of these
13	Compounds X, Y and Z, all react with $PCl_5$to release hydrogen chloride, but only one of them reacts eith 2,4-dinitrophenylhydrazine reagent. Which one of the following combinations could be X, Y and Z	
14	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
15	Question Image	A. With H₂/Ni CH₃(CH₂)₅CH₂OH B. With H₂/Ni CH₃(CH₂)₅CH₃

		C. With NaBH₄ CH₃ (CH₂)₅CH₂OH D. With NaBH₄ CH₃ (CH₂)₅CHO
16	Which of the following will have the highest boiling point	A. Methanol B. Ethanol C. Propanal D. 2-hexanone
17	Cannizzaro's reaction in not given by	A. Formaldehyde B. Acetaldehyde C. Benzaldyhyde D. Trimethylacetaldehyde
18	Clemensen's reduction of ketones is carried out in	A. H₂with Pd catalyst B. Glycol with KOH C. LiAlH₄in water D. Zn-Hg with conc. HCl
19	Which of the following compounds gives a ketone with Grignard's reagent?	A. Formaldehyde B. Ethanenitrile C. Ethyl alcohol D. Methyl iodide
20	Which compound would undergo nucleophilic addition	A. Ethene, C₂H₄ B. Bromoethane, C₂H₅Br C. Ethanal, CH₃CHO D. Ethane, C₂H₆