

## ECAT Chemistry Chapter 23 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Which one of the following reagents will distinguish between $C_6H_5CHO$ and $C_6H_5COCH_3$	A. Aqueous bromine B. Phosphorus pentachloride C. 2, 4 DNPH D. Tollen's reagent
2	Aldehydes are the oxidation product of	A. P-alcohols B. s-alcohols C. ter-alcohols D. carboxylic acids
3	The color of ppts formed by Benedict's test is	A. Brick red B. Wine red C. Yellow D. Orange
4	Which of the following compounds will react with Tollen's reagent	
5	The catalytic promoter used for the industrial preparation of acetaldehyde is	A. $PdCl_2$ B. $CuCl_2$ C. $Pd + CaCl_2$ D. None of these
6	Acetone reacts with HCN to form a cyanohydrin. It is an example of	A. Electrophilic addition B. Electrophilic substitution C. Nucleophilic addition D. Nucleophilic substitution
7	Ketones are prepared by the oxidation of	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. None of these
8	Which of the following will have the highest boiling point	A. Methanol B. Ethanol C. Propanal D. 2-hexanone
9	Which of the following is halo form	A. $CHBr_3$ B. $CHCl_3$ C. $CHI_3$ D. All of these
10	The carbon atom of a carbonyl group is	A. $sp$ hybridized B. $sp^2$ hybridized C. $sp^3$ hybridized D. None of these
11	Which is used for the reduction of aldehydes and ketones	A. $NaBH_4$ B. $Pt/Pd$ C. $Ni$ D. All of these
12	Ketones are reduced to	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. All of these
13	Aldehydes can be distinguished from ketones by	A. 2,4-DNPH test B. $NaHSO_3$ test C. $N_2H_4$ test D. Tollen's test
14	The colour of ppts formed by Fehling's test is	A. Brick red B. Red C. Yellow D. Orange
15	Aldehyde and small methyl ketones form crystalline _____ ppts with saturated sodium bisulphate solution	A. White B. Red C. Yellow D. None of these
16	In Tollen's test, the end product is _____ formed	A. White ppts B. Red ppts C. Yellow ppts

		D. Silver mirror
17	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>
18	Distillation of calcium salts of acetic acid and formic acids gives acetaldehyde. What compound would be obtained if only calcium salt of acetic acid is distilled	<p>A. Formaldehyde</p> <p>B. Butyraldehyde</p> <p>C. Propionaldehyde</p> <p>D. Acetone</p>
19	Chromic acid used to oxidize	<p>A. Aldehyde</p> <p>B. Ketone</p> <p>C. Both a and b</p> <p>D. None of these</p>
20	Question Image	<p>A. 2-chlorobutanal</p> <p>B. alfa-chlorobutanal</p> <p>C. 2-chlorobutyraldehyde</p> <p>D. alfa- chlorobutyraldehyde</p>