

ECAT Chemistry Chapter 23 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	In carboxyl group the bond between C and oxygen is:	A. Sigma bond B. Single bond C. Double Bond D. Triple bond
2	Dehydration of allcohol gives:	A. Alkane B. Alkene C. Aldehyde D. ketone
3	Aldehydes give reactions :	A. Oxidation and reduction B. Base-catalysed nucleophilic C. Acid catalysed nucleophilic D. All of these
4	Condensation of aldehydes with α -hydrogen gives:	A. Acetal B. Ketal C. Aldol D. Cannizzaro product
5	Which is mild oxidizing agent ?	A. Tollen's reagent B. KMnO_4 / H_2SO_4 C. $\text{K}_2\text{Cr}_2\text{O}_7$ / H_2SO_4 D. HNO_3
6	Aldehydes are reduced to :	A. Pri-alcohol B. Sec-alcohol C. Ter-alcohol D. All of these
7	Hydroxyl amine is a derivative of::	A. Alcohol B. Aldehyde C. Ammonia D. Ketone
8	Which reaction is of condensation or addition elimination reaction?	A. Ketol B. Aldol C. Cannizzaro D. All of these
9	Cannizzaro's reaction is type of reaction:	A. Self oxidation-reduction reaction B. Disproportion reaction C. Addition D. A and B
10	Common names of aldehydes are given by corresponding:	A. Ketone B. Alcohol C. Carboxylic acid D. ester
11	Aldehydes ketones can be prepared from alcohols by their:	A. Reduction B. Oxidation C. Decomposition D. Synthesis
12	Iodoform test is given by:	A. Formaldehyde and Higher ketones B. Formaldehyde C. Acetaldehyde and methyl ketones D. Acetaldehyde
13	Reaction of Grignard's reagent with ketones gives: Reaction of Grignard's reagent with formaldehyde gives:	A. Pri-alcohol B. Sec-Alcohol C. Ter-alcohol D. Carboxylic
14	Reaction of Grignard's reagent with aldehydes other than formaldehyde gives: Reaction of Grignard's reagent with formaldehyde gives:	A. Pri-alcohol B. Sec-alcohol C. Ter-alcohol D. Carboxylic

A. pri-alcohol

15	Reaction of Grignard's reagent with formaldehyde gives:	B. sec-alcohol C. ter-alcohol D. carboxylic
16	Formula of acetone is:	A. HCHO B. CH_3CHO C. CH_3OCH_3 D. $\text{CH}_3\text{OC}_2\text{H}_5$
17	The homologous series of aldehydes and ketones have general formula:	A. $\text{C}_n\text{H}_{2n}\text{O}$ B. $\text{C}_n\text{H}_{2n}\text{O}$ C. $\text{C}_n\text{H}_{2n-1}\text{O}$ D. $\text{C}_n\text{H}_{2n}\text{O}$
18	Carboxyl compounds have functional group:	A. R-C-X B. R-CH=O C. RCOR D. All
19	Aldehydes are oxidized to give:	A. Primary alcohol B. Sec-alcohol C. Ter-alcohol D. Carboxylic acid
20	Which of the following reagent will react with both aldehyde and ketones?	A. Grignard's reagent B. Tollen's reagent C. Fehling's reagent D. Benedict's reagent
21	Cannizzaro's reaction is not given by:	A. Formaldehyde B. Acetaldehyde C. Benzaldehyde D. Trimethyl
22	Which of the following compounds will react with reagent ?	A. CH_3COH B. CH_3COCH_3 C. CH_3COOH D. $\text{CH}_3\text{COCH}_2\text{CH}_3$
23	Which of the following compounds will not give iodoform test on treatment with I_2/NaOH ?	A. Acetaldehyde B. Acetone C. Butane D. 3-pentanone
24	Acetone reacts with HCN to form a cyanohydrin. It is an example of:	A. Nucleophilic substitution B. Nucleophilic addition C. Electrophilic addition D. Electrophilic substitution
25	Ketones are prepared by the oxidation of:	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. None of these
26	Which of the following will have the highest boiling point?	A. Methanal B. Ethanal C. Propanal D. 2-Hexanone
27	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
28	The carbon of a carbonyl group is:	A. sp hybridized B. sp^2 hybridized C. sp^3 hybridized D. None of these
29	Hydrogenation of benzoyl chloride in presence of Pd on BaSO_4 gives	A. Benzyl alcohol B. Benzaldehyde C. Benzoic acid D. Phenol
30	Aniline reacts with which of these to form Schiff base?	A. Acetic acid B. Benzaldehyde C. Acetone D. NH_3