

## ECAT Chemistry Chapter 23 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Question Image	<p>A. 2-chlorobutanal</p> <p>B. alfa-chlorobutanal</p> <p>C. 2-chlorobutyraldehyde</p> <p>D. alfa- chlorobutyraldehyde</p>
2	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>
3	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>
4	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>
5	In Tolten's test, the end product is _____ formed	<p>A. White ppts</p> <p>B. Red ppts</p> <p>C. Yellow ppts</p> <p>D. Silver mirror</p>
6	Aldehyde and small methyl ketones form crystalline _____ ppts with saturated sodium bisulphate solution	<p>A. White</p> <p>B. Red</p> <p>C. Yellow</p> <p>D. None of these</p>
7	The colour of ppts formed by Fehling's test is	<p>A. Brick red</p> <p>B. Red</p> <p>C. Yellow</p> <p>D. Orange</p>
8	Aldehydes can be distinguished from ketones by	<p>A. 2,4-DNPH test</p> <p>B. <math>\text{NaHSO}_3</math> test</p> <p>C. <math>\text{N}_2\text{H}_4</math> test</p> <p>D. Tollen's test</p>
9	Ketones are reduced to	<p>A. Primary alcohol</p> <p>B. Secondary alcohol</p> <p>C. Tertiary alcohol</p> <p>D. All of these</p>
10	Which is used for the reduction of aldehydes and ketones	<p>A. <math>\text{NaBH}_4</math></p> <p>B. Pt/Pd</p> <p>C. Ni</p> <p>D. All of these</p>
11	The carbon atom of a carbonyl group is	<p>A. <math>\text{sp}</math> hybridized</p> <p>B. <math>\text{sp}^2</math> hybridized</p> <p>C. <math>\text{sp}^3</math> hybridized</p> <p>D. None of these</p>
12	Which of the following is halo form	<p>A. <math>\text{CHBr}_3</math></p> <p>B. <math>\text{CHCl}_3</math></p> <p>C. <math>\text{CHI}_3</math></p> <p>D. All of these</p>
13	Which of the following will have the highest boiling point	<p>A. Methanol</p> <p>B. Ethanol</p> <p>C. Propanal</p> <p>D. 2-hexanone</p>
14	Ketones are prepared by the oxidation of	<p>A. Primary alcohol</p> <p>B. Secondary alcohol</p> <p>C. Tertiary alcohol</p> <p>D. None of these</p>
15	Acetone reacts with HCN to form a cyanohydrin. It is an example of	<p>A. Electrophilic addition</p> <p>B. Electrophilic substitution</p> <p>C. Nucleophilic addition</p> <p>D. Nucleophilic substitution</p>

16	The catalytic promoter used for the industrial preparation of acetaldehyde is	A. $\text{PdCl}_2$ B. $\text{CuCl}_2$ C. $\text{Pd} + \text{CaCl}_2$ D. None of these
17	Which of the following compounds will react with Tollen's reagent	
18	The color of ppts formed by Benedict's test is	A. Brick red B. Wine red C. Yellow D. Orange
19	Aldelydes are the oxidation product of	A. P-alcohols B. s-alcohols C. ter-alcohols D. carboxylic acids
20	Which one of the following reagents will distinguish between $\text{C}_6\text{H}_5\text{CHO}$ and $\text{C}_6\text{H}_5\text{COCH}_3$	A. Aqueous bromine B. Phosphorus pentachloride C. 2, 4 DNPH D. Tollen's reagent
21	On adding sodium nitroprusside ketones give	A. Red B. Wine red C. White D. Orange
22	For which one of the following pairs of compounds can the members be distinguished by means of Tollen's test	A. $\text{HCHO}$ and $\text{CH}_3\text{CHO}$ B. $\text{CH}_3\text{CHO}$ and $\text{CH}_3\text{COCH}_3$ C. $\text{CH}_3\text{COCH}_3$ and $\text{C}_6\text{H}_5\text{COCH}_3$ D. $\text{CH}_3\text{COOH}$ and $\text{CH}_3\text{COOCH}_3$
23	Aldehydes which do not have $\alpha$ -hydrogen undergo	A. Aldol combination B. Cannizzaro's reaction C. Substitution D. Elimination
24	The product of the reaction between propanone and $\text{HCN}$ is hydrolysed under acidic conditions. What is the formula of the final product	A. $\text{CH}_3\text{CH}(\text{OH})\text{COOH}$ B. $\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{COOH}$ C. $(\text{CH}_3)_2\text{CHCOOH}$ D. $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOH}$
25	An organic compound has the following properties ; It gives a positive tri-iodomethane test; it gives a yellow ppt, with 2, 4-DNP reagent; it does not react with Tollen's reagent . Which compound would give these results	A. $\text{CH}_3\text{CHO}$ B. $\text{CH}_3\text{CH}_2\text{OH}$ C. $\text{CH}_3\text{CH}_2\text{COCH}_3$ D. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CHO}$
26	The color of ppts formed by Fehling's test is	A. Brick red B. Red C. Yellow D. Orange
27	Which one of the following is a product of the reaction between $\text{C}_6\text{H}_5\text{CH}_2\text{OH}$ and $\text{CH}_3\text{COCl}$	A. $\text{C}_6\text{H}_5\text{OCOCH}_3$ B. $\text{C}_6\text{H}_5\text{CH}_2\text{COCl}$ C. $\text{C}_6\text{H}_5\text{CH}_2\text{OCOCH}_3$ D. $\text{C}_6\text{H}_5\text{CH}_2\text{COCl}$
28	A food chemist wants to create the odour of pineapples for a product. An ester with this odour has the formula $\text{C}_3\text{H}_7\text{COOC}_2\text{H}_5$ . Which pair of reagents would produce this ester	A. $\text{C}_2\text{H}_5\text{Cl}$ and $\text{C}_3\text{H}_7\text{COOH}$ B. $\text{C}_2\text{H}_5\text{OH}$ and $\text{C}_3\text{H}_7\text{CONH}_2$ C. $\text{C}_2\text{H}_5\text{OH}$ and $\text{C}_3\text{H}_7\text{COOH}$ D. $\text{C}_3\text{H}_7\text{OH}$ and $\text{C}_2\text{H}_5\text{COCl}$
29	Formaldehyde is used to make	A. Plastics B. Medicine C. Antiseptic D. All of these
30	Formaline Contains _____% alcohol	A. 80 B. 37 C. 8 D. 52
31	Ketons are prepared by the oxidation of	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. None of these
32	Acetone reacts with $\text{HCN}$ to form a cyanohydrin. It is an example of	A. Electrophilic addition B. Electrophilic substitution C. Nucleophilic addition D. Nucleophilic substitution

		D. Nucleophilic substitution.
33	The base used in Cannizzaro's reaction is	A. NaOH B. KOH C. $\text{CH}_3\text{MgBr}$ D. All of these
34	Cannizzaro's reaction is not given by	A. Formaldehyde B. Acetaldehyde C. Benzaldehyde D. Trimethylacetaldehyde
35	Silver mirror test is applied for	A. Aldehydes B. Alcohols C. Acids D. Esters
36	In aldol condensation reaction, a double bond is formed between _____ and _____ carbon atoms	A. $\alpha$ and $\beta$ B. $\beta$ and $\gamma$ C. $\alpha$ and $\gamma$ D. None of these
37	Aldehydes are distinguished from ketones by using	A. Tollen's reagent B. Benedict reagent C. Fehling solution D. All of the above
38	Aldol condensation is actually	A. Electrophilic addition of carbonation B. Electrophilic addition of carbonium ion C. Nucleophilic addition of carbonation D. Nucleophilic addition of carbonium ion
39	Which one of the following statements is wrong regarding differences between aldehydes and ketones	A. Aldehydes undergo reduction to form primary alcohols while ketones undergo reduction to form secondary alcohols B. Aldehydes undergo oxidation to form acids having less number of carbon atoms while ketones undergo oxidation to form acids having same number of carbon atoms C. Aldehydes give positive silver mirror test while ketones give negative - mirror test D. Aldehydes can undergo polymerization while ketones cannot undergo polymerization
40	During the mechanism of aldol condensation a/an _____ is formed	A. Oxide B. Alkali C. Alkoxide ion D. None of these
41	Which reagent will distinguish a ketone from an aldehyde	A. $\text{Br}_2$ B. 2, 4-dinitrophenylhydrazine C. $\text{NaBH}_4$ D. Tollen's reagent
42	Acetaldehyde is used to make	A. Rubber B. Antiseptics C. Phenolic resin D. All of these
43	Which isomer of $\text{C}_5\text{H}_{10}\text{O}$ gives, on dehydration, the greatest number of different alkenes	
44	Question Image	A. $\text{Br}_2(\text{aq})$ B. 2, 4-dinitrophenylhydrazine C. NaBH D. Tollen's reagent
45	Which reagent could be used to distinguish between $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{CHO}$ and $\text{CH}_3\text{COCH}_2\text{CH}_2\text{OH}$	A. Acidified potassium dichromate B. Dilute sulphuric acid C. 2,4-dinitrophenylhydrazine D. Fehling's reagent
46	Compounds X, Y and Z, all react with $\text{PCl}_5$ to release hydrogen chloride, but only one of them reacts with 2,4-dinitrophenylhydrazine reagent. Which one of the following combinations could be X, Y and Z	
47	In 1903 Arthur Lapworth became the first chemist to investigate a reaction mechanism. The reaction he investigated was that of hydrogen cyanide with propanone. What do we now call the mechanism of this reaction	A. Electrophilic addition B. Electrophilic substitution C. Nucleophilic addition D. Nucleophilic substitution

48	What is formed when propanone is refluxed with an anhydrous solution of $\text{NaBH}_4$	A. Propanal B. Propan-1-ol C. Propan-2-ol D. Propane
49	Which alcohol may be oxidised to a product which react with 2,4-dinitrophenylhydrazine 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
50	Question Image	
51	Aldehydes and ketones are carbonyl compounds. Which of them react both with $\text{NaBH}_4$ and with Tollen's reagent	A. Both aldehydes and ketones B. Aldehydes only C. Ketones only D. Neither aldehydes nor ketones
52	Which compound on reaction with hydrogen cyanide produces a compound with a chiral centre	A. $\text{CH}_3\text{CHO}$ B. $\text{CH}_3\text{CH}_2\text{COCH}_2\text{CH}_3$ C. $\text{CH}_3\text{COCH}_2\text{CH}_3$ D. $\text{HCHO}$
53	A compound R has all of the following properties. It is neutral; It gives an orange precipitate with 2,4-dinitrophenylhydrazine; it evolves hydrogen chloride when treated with $\text{PCl}_5$ in the cold What could R be	
54	Ethanal may be converted into a three-carbon acid in a two-step process. Which compound is the intermediate	A. $\text{CH}_3\text{COCH}_2\text{H}$ B. $\text{CH}_3\text{CH}_2\text{CN}$ C. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CN}$ D. $\text{CH}_3\text{CH}(\text{OH})\text{CN}$
55	Which compound would undergo nucleophilic addition	A. Ethene, $\text{C}_2\text{H}_4$ B. Bromoethane, $\text{C}_2\text{H}_5\text{Br}$ C. Ethanal, $\text{CH}_3\text{CHO}$ D. Ethane, $\text{C}_2\text{H}_6$
56	Question Image	A. Q and R B. R only C. Q and R only D. Q only
57	Question Image	A. With $\text{Ni}$ $\text{CH}_3(\text{CH}_2)_4\text{OH}$ B. With $\text{Ni}$ $\text{CH}_3(\text{CH}_2)_3\text{CH}_2\text{OH}$ C. With $\text{NaBH}_4$ $\text{CH}_3(\text{CH}_2)_3\text{CH}_2\text{OH}$ D. With $\text{NaBH}_4$ $\text{CH}_3(\text{CH}_2)_4\text{CHO}$
58	Which of these reactions is shown by butanone, $\text{CH}_3\text{COCH}_2\text{CH}_3$	A. On warming with acidified potassium dichromate (IV) the solution turns green B. On heating with Fehling's reagent a red precipitate is formed C. With 2,4-dinitrophenylhydrazine reagent an orange precipitate is formed D. With hydrogen cyanide an aldehyde is formed
59	A common industrial solvent is a mixture of propanone; $\text{CH}_3\text{COCH}_3$ , and pentyl ethanoate $\text{CH}_3\text{CO}_2(\text{CH}_2)_4\text{CH}_3$ . Which reagent would have no effect on this solvent	A. $\text{Na(s)}$ B. $\text{NaBH}_4$ C. $\text{NaOH(aq)}$ D. 2,4-dinitrophenylhydrazine reagent
60	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
61	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
62	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with $\text{NaBH}_4$ or $\text{LiAlH}_4$ ?	A. 1-propanol B. 2-propanol C. 2-Methyl-2-propanol D. Ethanol
63	Which of the following reactions is used for detecting presence of carbonyl group?	A. Reaction with hydroxylamine B. Reaction with hydrazine C. Reaction with phenyl hydrazine D. All
64	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate

## D. AMMONICAL SILVER NITRATE

65	Propyne on hydrolysis in presence of $\text{H}_2\text{SO}_4$ and $\text{HgSO}_4$ gives	A. Acetaldehyde B. Acetone C. Formaldehyde D. None
66	Aldehydes are produced in atmosphere by	A. Oxidation of secondary alcohols B. Reduction of alkenes C. Reaction of oxygen atoms with hydrocarbons D. Reaction of oxygen atoms with ozone
67	On heating acetaldehyde with ammoniacal silver nitrate solution, we get	A. $\text{CH}_3\text{OH}$ B. Silver acetate C. $\text{HCHO}$ D. Silver mirror
68	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
69	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
70	Which of the following does not turn Schiff's reagent to pink?	A. Formaldehyde B. Benzaldehyde C. Acetone D. Methyl chloride
71	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
72	Aldehydes can be distinguished from ketones by using	A. Schiff's reagent B. Conc. $\text{H}_2\text{SO}_4$ C. Anhy. $\text{ZnCl}_2$ D. Resorcinol
73	Which of the following gives iodoform on heating with a solution of $\text{I}_2$ containing $\text{Na}_2\text{CO}_3$ ?	A. Ethyl alcohol B. Acetone C. Ethyl alcohol as well as acetone D. Methyl alcohol
74	Wacker method involves the conversion of alkene using $\text{PdCl}_2$ into corresponding	A. Alcohol B. Ketone C. Aldehyde D. Ether
75	Which of the following is hypnotic?	A. Acetaldehyde B. Metaldehyde C. Paraldehyde D. None
76	When vapours of isopropyl alcohol are passed over heated copper, the major product obtained is	A. Propane B. Propylene C. Acetaldehyde D. Acetone
77	A nucleophilic reagent will readily attack	A. Ethylene B. Ethanal C. Ethanol D. Ethylamine
78	Which of the following does not react with phenyl hydrazine?	A. Ethanol B. Ethanal C. Acetone D. Acetophenone
79	Self condensation of acetaldehyde in the presence of dilute alkalis gives	A. An acetal B. An aldol C. Mesitylene D. Propionaldehyde
80	A compound A has a molecular formula $\text{C}_2\text{H}_3\text{OH}$ . It reduces Fehling solution and on oxidation produces a monocarboxylic acid. A can also be obtained by the action of $\text{Cl}_2$ on Ethanol. A is	A. Chloral hydrate B. $\text{CHCl}_3$ C. $\text{CH}_3\text{Cl}$ D. Chloroacetic acid
81	Acetone is prepared by	A. Oxidation of n-propyl alcohol B. Oxidation of acetaldehyde C. Pyrolysis of calcium acetate D. Pyrolysis of calcium acetate as well as acetic acid
82	Formalin is an aqueous solution of	A. Furfural B. Fluorescein

82	Formalin is an aqueous solution of	C. Formaldehyde D. Formic acid
83	A compound possessing $\alpha$ -hydrogen atom, in the presence of dilute alkali forms $\beta$ -hydroxy aldehyde. This product on heating with dilute acid forms an unsaturated crotonaldehyde. The compound is	A. $\text{CH}_3\text{CHO}$ B. $\text{CH}_3\text{CH}_2\text{CHO}$ C. $\text{CH}_2=\text{CH}-\text{CHO}$ D. $\text{HC}=\text{C}-\text{CHO}$
84	Reduction of aldehydes with HI and P gives	A. Primary alcohols B. Secondary alcohols C. Alkanes D. Tertiary alcohols
85	Which reaction yields Bakelite?	A. Urea with HCHO B. Tetramethyl glycol with Hexamethylene diisocyanate C. Phenol and HCHO D. Ethylene glycol and Dimethylterephthalate
86	Cyanohydrin of which of the following forms lactic acid	A. HCHO B. $\text{CH}_3\text{COCH}_3$ C. $\text{CH}_3\text{CHO}$ D. $\text{CH}_3\text{CH}_2\text{CHO}$
87	Which of the following compounds does not react with $\text{NaHSO}_3$ ?	A. $\text{C}_6\text{H}_5\text{CHO}$ B. Acetophenone C. Acetone D. Acetaldehyde
88	Acetal is produced by reacting alcohol in the presence of dry HCl with	A. Acetaldehyde B. Ketone C. Ether D. Carboxylic acid
89	Which of the following compounds gives a ketone with Grignard's reagent?	A. Formaldehyde B. Ethanenitrile C. Ethyl alcohol D. Methyl iodide
90	Acetone is oxidized with	A. Tollen's reagent B. Fehling solution C. Acidic dichromate solution D. Benedicts solution
91	Reduction with aluminium isopropoxide in excess of Isopropyl alcohol is called Meerwein Ponndroff-Verley reduction (MPV). What will be the final product when cyclohex-2-enone is selectively reduces in MPV reaction?	A. Cyclohexanol B. Cyclohex-2-enol C. Cyclohexanone D. Benzene
92	Reductive ozonolysis of benzene produces	A. Acetone B. Maleic anhydride C. Phthalic acid D. Glyoxal
93	Wolf-kishner reduction is used for the reduction of	A. Nitro compounds B. Carboxylic acids C. Carbonyl compounds D. Olefins
94	Which of the following is a method of converting a unsaturated ketone into unsaturated hydrocarbon?	A. Aldol condensation B. Reimer Tiemann reaction C. Cannizzaro's reaction D. Wolf-kishner reduction
95	Give IUPAC name fo Acetone	A. Ethanal B. Propanone C. Butanone D. Propanal
96	In which reaction, aromatic aldehyde is treated with acid anhydride in the presence of corresponding salt of the acid to give unsaturated aromatic acid?	A. Friedel-Crafts reaction B. Perkin's reaction C. Wurtz reaction D. None of these
97	$\text{C}_2\text{H}_5\text{CHO}$ and $(\text{CH}_3)_2\text{CO}$ can be distinguished by testing with	A. Phenyl hydrazine B. Hydroxylamine C. Fehling solution D. Sodium bisulphate
98	In formaldehyde and KOH are heated then we get	A. Acetylene B. Methane C. Methyl alcohol D. Ethyl formate
99	Clemensen's reduction of ketones is carried out in	A. $\text{H}_2$ with Pd catalyst B. Glycol with KOH C. $\text{LiAlH}_4$ in water D. Zn-Hg with conc. HCl

100	Which of the following organic compounds exhibits positive Fehling test as well as iodoform test?	A. Methanal B. Ethanol C. Propanone D. Ethanal
101	Chromyl chloride and toluene react to produce	A. p-chlorotoluene B. Benzaldehyde C. Benzyl chloride D. Benzoic acid
102	The addition of HCN to carbonyl compounds is an example of	A. Nucleophilic substitution B. Electrophilic addition C. Nucleophilic addition D. Electrophilic substitution
103	From which of the following tertiary butyl alcohol is obtained by the action of methyl magnesium iodide?	A. HCHO B. $\text{CH}_3\text{CHO}$ C. $\text{CH}_3\text{COCH}_3$ D. $\text{CO}_2$
104	Benzophenone can be converted into benzene using	A. Fused alkali B. Anhydrous $\text{AlCl}_3$ C. Sodium amalgam in water D. Acidified dichromate
105	Which of the following is incorrect?	A. $\text{FeCl}_3$ is used in the detection of phenols B. Fehling solution is used in the detection of glucose C. Tollen's reagent is used in detection of unsaturation D. $\text{NaHSO}_3$ is used in the detection of carbonyl compounds
106	Which of the following react with NaOH to produce an acid and an alcohol?	A. $\text{NCHO}$ B. $\text{CH}_3\text{COOH}$ C. $\text{CH}_3\text{CH}_2\text{COOH}$ D. $\text{C}_6\text{H}_5\text{COOH}$
107	Which of the following reagents is used to distinguish acetone and acetophenone	A. $\text{NaHSO}_3$ B. Grignard reagent C. $\text{Na}_2\text{SO}_4$ D. $\text{NH}_4\text{Cl}$
108	An organic compound 'A' has the molecular formula $\text{C}_3\text{H}_6\text{O}$ , it undergoes iodoform test. When saturated with HCl it gives 'B' of molecular formula $\text{C}_9\text{H}_{14}\text{O}$ . A and B, respectively are	A. Propanal and mesitylene B. Propanone and mesityl oxide C. Propanone and 2, 6-dimethyl-2,5-heptadien-4-one D. Propanone and mesitylene oxide
109	Which is not true about acetophenone?	A. Reacts to form 2,4-dinitrophenyl hydrazine B. Reacts with Tollen's reagent to form silver mirror C. Reacts with $\text{I}_2/\text{NaOH}$ to form iodoform D. On oxidation with alkaline $\text{KMnO}_4$ followed by hydrolysis gives benzoic acid
110	The IUPAC name for $\text{CH}_3\text{COCH}(\text{CH}_3)_2$ is	A. 4-Methylisopropyl ketone B. 3-Methyl-2-butanone C. Isopropylmethyl ketone D. 2-Methyl-2-butanone
111	Aniline reacts with which of these to form Schiff base?	A. Acetic acid B. Benzaldehyde C. Acetone D. $\text{NH}_3$
112	Hydrogenation of benzoyl chloride in presence of Pd on $\text{BaSO}_4$ gives	A. Benzyl alcohol B. Benzaldehyde C. Benzoic acid D. Phenol
113	The carbon of a carbonyl group is:	A. $\text{sp}$ hybridized B. $\text{sp}^2$ hybridized C. $\text{sp}^3$ hybridized D. None of these
114	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
115	Which of the following will have the highest boiling point?	A. Methanal B. Ethanal C. Propanal D. 2-Hexanone
116	Ketones are prepared by the oxidation of:	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. None of these
117	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

# D. Electrophilic Substitution

118	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
119	Which of the following compounds will react with reagent ?	A. $CH_3COH$ B. $CH_3COCH_3$ C. $CH_3COOH$ D. $CH_3COCH_2CH_3$
120	Cannizzaro's reaction is not given by:	A. Formaldehyde B. Acetaldehyde C. Benzaldehyde D. Trimethyl
121	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
122	Aldehydes are oxidized to give:	A. Primary alcohol B. Sec-alcohol C. Ter-alcohol D. Carboxylic acid
123	Carboxyl compounds have functional group:	A. R-C-X B. R-CH=O C. RCOR D. All
124	The homologous series of aldehydes and ketones have general formula:	A. $C_nH_{2n}O$ B. $C_nH_nO$ C. $C_nH_{2n-1}O$ D. $C_nH_nO_n$
125	Formula of acetone is:	A. HCHO B. $CH_3CHO$ C. $CH_3COCH_3$ D. $CH_3COCH_2CH_2CH_3$
126	Reaction of Grignard's reagent with formaldehyde gives:	A. pri-alcohol B. sec-alcohol C. ter-alcohol D. carboxylic
127	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
128	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
129	Iodoform test is given by:	A. Formaldehyde and Higher ketones B. Formaldehyde C. Acetaldehyde and methyl ketones D. Acetaldehyde
130	Aldehydes and ketones can be prepared from alcohols by their:	A. Reduction B. Oxidation C. Decomposition D. Synthesis
131	Common names of aldehydes are given by corresponding:	A. Ketone B. Alcohol C. Carboxylic acid D. ester
132	Cannizzaro's reaction is type of reaction:	A. Self oxidation-reduction reaction B. Disproportion reaction C. Addition D. A and B
133	Which reaction is of condensation or addition-elimination reaction?	A. Ketol B. Aldol C. Cannizzaro D. All of these
134	Hydroxylamine is a derivative of:	A. Alcohol B. Aldehyde C. Ammonia D. Ketone
135	Aldehydes are reduced to:	A. Pri-alcohol B. Sec-alcohol C. Ter-alcohol



C. Tetra-ol  
D. All of these

136	Which is mild oxidizing agent ?	<p>A. Tollen's reagent</p> <p>B. <math>\text{KMnO}_4</math> / <math>\text{H}_2\text{SO}_4</math></p> <p>C. <math>\text{K}_2\text{Cr}_2\text{O}_7</math> / <math>\text{H}_2\text{SO}_4</math></p> <p>D. <math>\text{HNO}_3</math></p>
137	Condensation of aldehydes with $\alpha$ -hydrogen gives:	<p>A. Acetal</p> <p>B. Ketal</p> <p>C. Aldol</p> <p>D. Cannizzaro product</p>
138	Aldehydes give reactions :	<p>A. Oxidation and reduction</p> <p>B. Base-catalysed nucleophilic</p> <p>C. Acid catalysed nucleophilic</p> <p>D. All of these</p>
139	Dehydration of alcohol gives:	<p>A. Alkane</p> <p>B. Alkene</p> <p>C. Aldehyde</p> <p>D. ketone</p>
140	In carboxyl group the bond between C and oxygen is:	<p>A. Sigma bond</p> <p>B. Single bond</p> <p>C. Double Bond</p> <p>D. Triple bond</p>