

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	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
2	Give IUPAC name for Acetone	A. Ethanal B. Propanone C. Butanone D. Propanal
3	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
4	Wolf-kishner reduction is used for the reduction of	A. Nitro compounds B. Carboxylic acids C. Carbonyl compounds D. Olefins
5	Reductive ozonolysis of benzene produces	A. Acetone B. Maleic anhydride C. Phthalic acid D. Glyoxal
6	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
7	Acetone is oxidized with	A. Tollen's reagent B. Fehling solution C. Acidic dichromate solution D. Benedicts solution
8	Which of the following compounds gives a ketone with Grignard's reagent?	A. Formaldehyde B. Ethanenitrile C. Ethyl alcohol D. Methyl iodide
9	Acetal is produced by reacting alcohol in the presence of dry HCl with	A. Acetaldehyde B. Ketone C. Ether D. Carboxylic acid
10	Which of the following compounds does not react with NaHSO_3 ?	A. $\text{C}_6\text{H}_5\text{CHO}$ B. Acetophenone C. Acetone D. Acetaldehyde
11	Cyanohydrin of which of the following forms lactic acid	A. HCHO B. CH_3COCH_3 C. CH_3CHO D. $\text{CH}_3\text{CH}_2\text{CHO}$
12	Which reaction yields Bakelite?	A. Urea with HCHO B. Tetramethyl glycol with Hexamethylene diisocyanate C. Phenol and HCHO D. Ethylene glycol and Dimethylterephthalate
13	Reduction of aldehydes with HI and P gives	A. Primary alcohols B. Secondary alcohols C. Alkanes D. Tertiary alcohols
14	A compound possessing α -hydrogen atom, in the presence of dilute alkali forms β -hydroxy aldehyde. This product on heating with dilute acid forms an unsaturated crotonaldehyde. The compound is	A. CH_3CHO B. $\text{CH}_3\text{CH}_2\text{CHO}$ C. $\text{CH}_2=\text{CH}-\text{CHO}$ D. $\text{HC}=\text{C}-\text{CHO}$
15	Formalin is an aqueous solution of	A. Furfural B. Fluorescein C. Formaldehyde D. Formalin

		D. Formic acid
16	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
17	A compound A has a molecular formula C_2Cl_3OH . It reduces Fehling solution and on oxidation produces a monocarboxylic acid B. A can also be obtained by the action of Cl_2 on Ethanol. A is	A. Chloral hydrate B. $CHCl_3$ C. CH_3Cl D. Chloroacetic acid
18	Self condensation of acetaldehyde in the presence of dilute alkalies gives	A. An acetal B. An aldol C. Mesitylene D. Propionaldehyde
19	Which of the following does not react with phenyl hydrazine?	A. Ethanol B. Ethanal C. Acetone D. Acetophenone
20	A nucleophilic reagent will readily Attack	A. Ethylene B. Ethanal C. Ethanol D. Ethylamine
21	When vapours of isopropyl alcohol are passed over heated copper, the major product obtained is	A. Propane B. Propylene C. Acetaldehyde D. Acetone
22	Which of the following is hypnotic?	A. Acetaldehyde B. Metaldehyde C. Paraldehyde D. None
23	Wacker method involves the conversion of alkene using $PdCl_2$ into corresponding	A. Alcohol B. Ketone C. Aldehyde D. Ether
24	Which of the following gives iodoform on heating with a solution of I_2 containing Na_2CO_3 ?	A. Ethyl alcohol B. Acetone C. Ethyl alcohol as well as acetone D. Methyl alcohol
25	Aldehydes can be distinguished from ketones by using	A. Schiff's reagent B. Conc. H_2SO_4 C. Anhy. $ZnCl_2$ D. Resorcinol
26	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
27	Which of the following does not turn Schiff's reagent to pink?	A. Formaldehyde B. Benzaldehyde C. Acetone D. Methyl chloride
28	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
29	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
30	On heating acetaldehyde with ammoniacal silver nitrate solution, we get	A. CH_3OH B. Silver acetate C. $HCHO$ D. Silver mirror