

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is halo form	A. CHBr_3 B. CHCl_3 C. CHI_3 D. All of these
2	The carbon atom of a carbonyl group is	A. Sp hybridized B. Sp^2 hybridized C. Sp^3 hybridized D. None of these
3	Which is used for the reduction of aldehydes and ketones	A. NaBH_4 B. Pt/Pd C. Ni D. All of these
4	Ketones are reduced to	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. All of these
5	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
6	The colour of ppts formed by Fehling's test is	A. Brick red B. Red C. Yellow D. Orange
7	Aldehyde and small methyl ketones form crystalline _____ ppts with saturated sodium bisulphate solution	A. White B. Red C. Yellow D. None of these
8	In Tollen's test, the end product is _____ formed	A. White ppts B. Red ppts C. Yellow ppts D. Silver mirror
9	Question Image	A. Treatment with HCN followed by acid hydrolysis B. Oxidation of acetaldehyde followed by basic hydrolysis C. Treatment with HCN followed by reduction D. Treatment with HCN followed by oxidation
10	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	A. Formaldehyde B. Butyraldehyde C. Propionaldehyde D. Acetone
11	Chromic acid used to oxidize	A. Aldehyde B. Ketone C. Both a and b D. None of these
12	Question Image	A. 2-chlorobutanol B. alpha-chlorobutanol C. 2-chlorobutyraldehyde D. alpha-chlorobutyraldehyde
13	If an electrophile attacks then _____ bond breaks first	A. $\text{C} - \text{H}$ B. $\text{O} - \text{H}$ C. $\text{C} - \text{O}$ D. None of these
14	Williamson's synthesis is used to prepare	A. Diethylether B. Phenolphthalein C. Hydrogenation D. Bakelite
15	Phenol is also known as	A. Acetic acid B. Carboic acid C. Tararic acid D. Trichloroacetic acid

16	When phenol is distilled with zinc dust. It is reduced to	A. Benzene B. Benzaldehyde C. Toluene D. Hexanol
17	Which one is used as a fuel for internal combustion engines in many European countries and Brazil	A. C_2H_5OH B. CH_3OH C. CH_3COOH D. C_2H_5O
18	Which one of the following reacts immediately with conc. HCl in the presence of $ZnCl_2$	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. Ether
19	The reaction of sodium with ethanol gives	A. CH_3OH B. NaH C. H_2O D. H_2
20	Which of the following is an isomer of ethanol	A. CH_3OCH_3 B. $C_2H_5OC_2H_5$ C. CH_3OH D. C_2H_5OH
21	Industrial alcohol may be denaturated by the addition of	A. Methyl alcohol B. Acetone C. Pyridine D. Any of the above reagent
22	Rectified spirit contains alcohol about	A. 80% B. 85% C. 90% D. 95%
23	Ethanol can be converted into ethanoic acid by	A. Hydrogenation B. Hydration C. Oxidation D. Fermentation
24	Which compound is more soluble in water	A. C_2H_5OH B. C_6H_5OH C. CH_3OCH_3 D. n-hexanol
25	Which compound shows hydrogen bonding	A. C_2H_6 B. C_2H_5Cl C. CH_3-O-CH_3 D. C_2H_5OH
26	Which of the following is produced when an aqueous solution of butan-2-ol is refluxed with dil acidified $KMnO_4$	A. Butanol B. Butanoic acid C. Butanone D. Butane
27	Which of the following compounds will not react with sodium metal to release hydrogen	A. $CH_3CH_2CH_3$ B. CH_3CH_2OH C. C_6H_5OH D. $C_6H_5CH_2OH$
28	Question Image	A. Aqueous bromine B. Dilute HNO_3 C. Dilute HCl D. CH_3COCl
29	Which one of the following correctly describes the acid properties of phenol	A. Stronger than HCl B. Stronger than carboxylic acid C. An acid stronger than carbonic acid D. An acid weaker than carboxylic acid
30	Phenol is used in the preparation of	A. Bakelite B. Phenatherene C. Cellulose D. All of these