

ECAT Chemistry Chapter 22 Alcohols, Phenols and Ethers Online Test

Sr	Questions	Answers Choice
1	Compound X has molecular formula $C_{10}H_{14}O$ and is unreactive towards mild oxidising agents. What is the structure of the compound formed by dehydration of X	
2	In its reaction with Na, 1 mol of X gives 1 mol of $H_{2(g)}$. What is X	A. CH ₃ CH ₂ CH ₂ OH B. (CH ₃ OH C. CH ₃ CH ₂ CH ₂ OH D. CH ₃ CH ₂ H D. CH ₃ CH(OH)CO ₂ H
		A. 1-bromobutane
3	Question Image	B. 2-bromobutane C. 1-bromo-2-methyl propane D. 2-bromo-2-methyl propane
4	An organic compound will decolorise dill acidified (aq) KMnO4on warming, but will not decolorise bromine water. What is the compound	A. KMnO ₄ B. Ethanol C. Ethane D. CH ₃ CH ₂ CI
5	Which structure shows a tertiary alcohol	A. CH ₃ CH ₂ OH B. (CH ₃) ₂ CHOH C. (CH ₃) ₃ COH D. CH ₂ OH
6	How many secondary alcoholic groups are present in the structure of glucose OHC CHOH CHOHCH OH CHOH CH ₂ OH	A. 1 B. 2 C. 3 D. 4
7	What will react differently with the two isomeric pentols, (CH ₃) ₃ CCH ₂ OH and (CH ₃) ₂ CH CH ₂ CH ₂ OH	A. Acidified (aq) KMnO ₄ B. Concentrated H ₂ SO ₄ C. PCI D. Sodium
8	Which alcohol gives only one oxidation product when wormed with dil acidified $\rm K_2Cr_2O_7$	A. Butan-1-ol B. Butan-2-ol C. 2-methyl propan-1-ol D. 2-methyl propan-2-ol
9	How many alcohol (including both structural isomers and stereoisomers) can have the molecular formula $\text{C}_4\text{H}_{10}\text{O}$	A. 3 B. 4 C. 5 D. 6
10	If an electrophile attacks then bond breaks first	A. C - H B. O - H C. C - O D. None of these
11	Williamson's synthesis is used to prepare	A. Diethylether B. Phenolphthalein C. Hydrogenation D. Bakelite
12	Phenol is also known as	A. Acetic acid B. Carbolic acid C. Tararic acid D. Trichloroacetic acid
13	When phenol is distilled with zinc dust. It is reduced to	A. Benzene B. Benzaldehyde C. Toluene D. Hexanol
14	Which one is used as a fuel for internal combustion engines in many European countries and Brazil	A. C ₂ H ₅ OH B. CH ₃ OH C. CH ₃ COOH D. C ₂ H ₂
15	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
16	The reaction of sodium with ethanol gives	A. CH ₃ OH B. NaH C. H ₂ O D. H ₂
17	Which of the following is an isomer of ethanol	A. CH ₃ OCH ₃ B. C ₂ H ₅ OC ₂ H ₅ C. CH ₃ OH D. C ₂ H ₅ OH
18	Industrial alcohol may be denaturated by the addition of	A. Methyl alcohol B. Acetone C. Pyridine D. Any of the above reagent
19	Rectified spirit contains alcohol about	A. 80% B. 85% C. 90% D. 95%
20	Ethanol can be converted into ethanoic acid by	A. Hydrogenation B. Hydration C. Oxidation D. Fermentation
21	Which compound is more soluble in water	A. C ₂ H ₅ OH B. C ₆ H ₅ OH C. CH ₃ OCH ₃ D. n-hexanol
22	Which compound shows hydrogen bonding	A. C ₂ H ₆ B. C ₂ H ₅ Cl C. CH ₃ -O-CH ₃ D. C ₂ H ₅ OH
23	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
24	Which of the following compounds will not react with sodium metal to release hydrogen	A. CH ₃ CH ₂ CH ₃ B. CH ₃ CH ₂ OH C. C ₆ H ₅ OH D. C ₆ H ₅ CH ₂ OH
25	Question Image	A. Aqueous bromine B. Dilute HNO ₃ C. Dilute HCI D. CH ₃ COCI
26	Which one of the following correctly describes the acid properties of phenol	A. Stronger than HCI B. Stronger than carboxylic acid C. An acid stronger than carbonic acid D. An acid weaker than carboxylic acid
27	Phenol is used in the preparation of	A. Bakelite B. Phenatherene C. Cellulose D. All of these
28	Which of the following is weakly acidic in nature	A. Alcohol B. Phenol C. Aidehyde D. Amide
29	Dow's process is used for the preparation of	A. Ester B. Ethers C. Alcohols D. Phenols
30	The hydroxyl derivatives of aromatic hydrocarbons which have the -OH group directly bonded to the ring C-atom are called	A. Alcohols B. Ketones C. Esters D. Phenols