

ECAT Chemistry Chapter 22 Alcohols, Phenols and Ethers

Sr	Questions	Answers Choice
1	Industrial alcohol may be denaturated by the addition of	A. Methyl alcohol B. Acetone C. Pyridine D. Any of the above reagent
2	Phenol is also known as	A. Acetic acid B. Carboic acid C. Tararic acid D. Trichloroacetic acid
3	Which statement in not correct about alcohol?	A. Ethyl alcohol is heavier than water B. Ethyl alcohol ecaporates more quickly C. Alcohol with less number of carbon atoms is more soluble in water than alcohol with more number of carbons atoms D. Alcohol produces H_2 by reaction with sodium metal
4	On heating glycerol with conc. Sulphuric acid a compound with unpleasant odour is obtained. The compound is	A. Methyl alcohol B. Formic acid C. Prop-2-enal D. Glycerol sulphate
5	Scientific study of fermentation was first made by	A. Buchner B. Liebig C. Biot D. Pasteur
6	The malt-sugar in the presence of yeast or invertase gives	A. Fructose B. Glucose C. Lignin D. Alcohol
7	Ethyl alcohol on oxidation with $K_2Cr_2O_7$ gives	A. Acetic acid B. Acetaldehyde C. Formaldehyde D. Formic acid
8	Ethyl alcohol is industrially prepared from ethylene by	A. permanganate oxidation B. Catalytic reduction C. Absorbing in H_2SO_4 followed by hydrolysis D. Fermentation
9	Which compound is more soluble in water	A. C_2H_5OH B. Benzene C. CH_3OCH_3 D. Hexane
10	Oxidation of methyl alcohol gives	A. Formaldehyde B. Acetone C. Ester D. Acid
11	Nitration of phenol gives	A. o-nitrophenol B. p-nitrophenol C. m-nitrophenol D. Both o and p-nitrophenol
12	Salol is prepared from	A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol C. Both D. None
13	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
14	An alcohol with molecular formula $C_nH_{2n+1}OH$ has a chiral carbon atom but does not react with MnO_4^-/H^+ what is the least number of carbon atoms such an alcohol could	A. 5 B. 6 C. 7 D. 8

15 How many alcohol (including both structural isomers and stereoisomers) can have the molecular formula $C_4H_{10}O$

- A. 3
- B. 4
- C. 5
- D. 6

16 When alcohol reacts with concentrated H_2SO_4 intermediate compound formed as

- A. carbonium ion
- B. alkoxy ion
- C. alkyl hydrogen sulphate
- D. non of these

17 Which compound is more soluble in water?

- A. C_2H_5OH
- B. C_5H_5OH
- C. CH_3OCH_3
- D. n-Hexanol

18 Which is a reagent for Lucas test

- A. $ZnCl_2 + Conc. HCl$
- B. Zn
- C. Na
- D. Br

19 Which is not property in ether:

- A. Very weak hydrogen bonding
- B. High b.p
- C. Slightly soluble
- D. Inflammable

20 Alcohols can be distinguished using test:

- A. Lucas
- B. Tollen's
- C. Koib's
- D. William's