

ECAT Chemistry Chapter 22 Alcohols, Phenols and Ethers

Sr	Questions	Answers Choice
1	Oxidation of ter-alcohol gives:	A. Aldehyde B. Formaldehyde C. Ketone D. Alkens
2	Phenol is used in the preparation of	A. Bakelite B. Phenatherene C. Cellulose D. All of these
3	Which of the following is correct?	A. Reduction of any aldehyde gives secondary alcohol B. Reaction of vegetable oil with $H₂SO₄$ gives glycerine C. Alcoholic iodine with NaOH gives iodoform D. Sucrose on reaction with NaCl gives invert sugar
4	Ethanol is prepared in Pakistan form fermentation of:	A. Starch B. Sugar C. Glucose D. Molasses
5	In its reaction with Na, 1 mol of X gives 1 mol of $H_2(g)$. What is X	A. $CH₃CH₂CH₂CH₂CH₂OH$ B. $(CH₃)₂CH₂COH$ C. $CH₃CH₂CH₂CH₂CO₂H$ D. $CH₃CH(OH)CO₂H$
6	During dehydration of alcohols to alkenes by heating with conc. H_2SO_4 , the initial step is	A. Formation of an ester B. Protonation of alcohol molecule C. Formation of carbocation D. Elimination of water
7	Nitration of phenol gives	A. o-nitrophenol B. p-nitrophenol C. m-nitrophenol D. Both o and p-nitrophenol
8	Diethyl ether is obtained by Williamsons synthesis using	A. Ethanol + Na + $C₂H₅Br$ B. Ethanol + Mg + $C₂H₅Br$ C. Methanol + Na + $CH₃Br$ D. Methanol + Mg + $CH₃Br$
9	Which of the following is known as wood spirit	A. Ethyl alcohol B. Propyl alcohol C. Methyl alcohol D. Butyl alcohol
10	When ethylene glycol is heated with acidified potassium permanganate, the main organic compound obtained is	A. Oxalic acid B. Glyoxal C. Formic acid D. Ethanol
11	Phenol is heated with CCl_4 and alkaline KOH when salicylic acid is produced. The reaction is known as	A. Friedel-Craft reaction B. Riemer-Tiemann's reaction C. Rosenmund's reaction D. Sommelet reaction
12	When sodium metal reacts with alcohols	A. Hydrogen gas evolves B. Sodium hydroxide is obtained C. Alcohol is reduced D. Alcohol is polymerised
13	Salol is prepared from	A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol C. Both D. None
14	An organic compound will decolorise dil. acidified (aq) $KMnO_4$ on warming, but will not decolorise bromine water. What is the compound	A. $KMnO₄$ B. Ethanol C. Ethane D. $CH₃CH₂Cl$
15	Which isomers of $C_5H_{11}OH$ gives, on dehydration, the	

greatest number of different alkenes

16 Question Image

- A. 1-bromobutane
- B. 2-bromobutane**
- C. 1-bromo-2-methyl propane
- D. 2-bromo-2-methyl propane

17 Dehydration of an alcohol at 180°

- A. Alkene**
- B. Ether
- C. Ester
- D. An hydride

18 Oxidation of methyl alcohol gives

- A. Formaldehyde**
- B. Acetone
- C. Ester
- D. Acid

19 Hydrolytic conversion of sucrose into glucose and fructose is known as

- A. Induction
- B. Inversion**
- C. Insertion
- D. Inhibition

20 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**