

ECAT Chemistry Chapter 22 Alcohols, Phenols and Ethers

Sr	Questions	Answers Choice
1	Which is not the enzyme involved in the preparation of ethyl alcohol by fermentation of starch	A. Diastase B. Maltase C. Zymase D. Invertase
2	Either, an organic compound has close resemblance in structure and thus a derivative of:	A. Water B. Oxides of lithium C. Oxides of magnesium D. Oxides of aluminium
3	General formula of alcohol is:	A. ROH B. Ar-OH C. R-O-R D. Ph-OH
4	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
5	In Lucas test tertiary alcohol make an oily layer	A. Immediately B. In 10 mins C. On heating D. Not
6	Treatment of a secondary alcohol with a suitable oxidizing agent ($K_2Cr_2O_7$) results in the formation of	A. Ketone B. Aldehyde C. Ether D. Alkyl halide
7	Which is a reagent for Lucas test	A. $ZnCl_2 + Conc. HCl$ B. Zn C. Na D. Br
8	Phenol is a weak acid. The correct order of acid strength of carboxylic acid, phenol and alcohol is	A. Carboxylic acid > phenol > alcohol B. Carboxylic acid > alcohol > phenol C. Phenol > carboxylic acid > alcohol D. Alcohol > phenol > carboxylic acid
9	Alcohols can be distinguished using test:	A. Lucas B. Tollen's C. Koib's D. William's
10	Taste of lower alcohols is:	A. Sweet B. Bitter C. Sour D. Salty
11	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit
12	Alcohol fermentation is brought about by the action of	A. CO_2 B. O_2 C. Invertase D. Yeast
13	In its reaction with Na, 1 mol of X gives 1 mol of $H_2(g)$. What is X	A. $CH_3CH_2CH_2CH_2OH$ B. $(CH_3)_3COH$ C. $CH_3CH_2CH_2CO_2H$ D. $CH_3CH_2CH_2CO_2H$
14	Hydrolytic conversion of sucrose into glucose and fructose is known as	A. Induction B. Inversion C. Insertion D. Inhibition
15	Phenols are derivative of:	A. Alkanes B. Alkenes C. Alkynes

D. Benzene

16 Diethyl ether is obtained by Williamsons synthesis using

- A. Ethanol + Na + C₂H₅Br
- B. Ethanol + Mg + C₂H₅Br
- C. Methanol + Na + CH₃Br
- D. Methanol + Mg + CH₃Br

17 Which statement is not correct about alcohol?

- A. Ethyl alcohol is heavier than water
- B. Ethyl alcohol evaporates more quickly
- C. Alcohol with less number of carbon atoms is more soluble in water than alcohol with more number of carbon atoms
- D. Alcohol produces H₂ by reaction with sodium metal

18 Nitration of phenol gives

- A. o-nitrophenol
- B. p-nitrophenol
- C. m-nitrophenol
- D. Both o and p-nitrophenol

19 In Lucas test primary alcohol reacts as oily layer

- A. Immediately
- B. In 10 mins
- C. On heating
- D. Not

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- A. A primary alcohol
- B. A secondary alcohol
- C. An ether
- D. A phenol