



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

## WORKSHEET-15(CLASS-12)



### TOPIC- ALCOHOL, PHENOL AND ETHER

#### SUBTOPIC-GENERAL PROPERTIES AND PREPARATION OF ALCOHOL

SUBJECT – CHEMISTRY

F.M. - 15

DURATION – 30 mins

DATE -09.06.20

1.1 Which one of the following is termed as benzyl alcohol?

- a)  $C_6H_5OH$  b)  $C_6H_5CH(OH)_2$  c)  $C_6H_5CH_2OH$  d) None

1.2 The process of fermentation of starch involves many enzymes, the sequence of enzyme used are-

- a) Diastase-maltase-zymase  
b) Zymase-maltase-zymase  
c) Maltase-diastase-zymase  
d) Diastase-zymase-maltase

1.3 The methylated spirit contains:

- a) 10% alcohol b) 90% alcohol c) 19% alcohol d) 100% alcohol

1.4 The oxidation of isopropyl alcohol will yield:

- a) Propane b) Propanol c) Propanone d) Propanoic acid

1.5 Action of nitrous acid on ethylamine gives-

- a)  $C_2H_6$  b)  $C_2H_5OH$  c)  $C_2H_5OH$  and  $C_2H_4$  d)  $C_2H_5OH$  and  $NH_3$ .

1.6 Phenol on treatment with cone.  $HNO_3$  gives-

- a) Picric acid b) Nitric acid c) Both d) None

1.7 The formula of wood spirit is-

- a)  $CH_3COOH$  b)  $CH_3OH$  c)  $C_2H_5OH$  d) None of these

1.8 Ethanol containing some methanol is called-

- a) Absolute spirit b) Rectified spirit c) Power alcohol d) Methylated spirit

1.9 Rectified spirit is a mixture of-

- a) 95% ethyl alcohol +5% water  
b) 94% ethyl alcohol +4.53% water  
c) 94.4% ethyl alcohol + 5.43% water  
d) 95.87% ethyl alcohol +4.13% water

1.10 Which of the following is not a characteristic of alcohol?

- a) They are lighter than water  
b) Their boiling point rise fairly uniformly with rising molecular weight  
c) Lower members are insoluble in water and organic solvents but the solubility regularly increase with molecular mass  
d) Lower members have a pleasant smell and burning taste, higher members are colorless and tasteless.

1.11 Alcohols of low molecular weight are-

- a) Soluble in water  
b) Soluble in water on heating  
c) Insoluble in water  
d) Insoluble in all solvents

1.12 Which of the following can work as a dehydrating agent for alcohol?

a)  $\text{H}_2\text{SO}_4$  b)  $\text{Al}_2\text{O}_3$  c)  $\text{P}_2\text{O}_5$  d) All

**1.13 Alcohols react with Grignard reagent to form-**

a) Alkanes b) Alkenes c) Alkynes d) All

**1.14 Amongst the following phenols which is most acidic?**

a) Picric acid b) 2-Nitrophenol c) 2,4Dinitrophenol d) m-Nitro phenol.

**1.15 Which of the following groups will increase the acidity of phenol?**

a)  $-\text{NO}_2$  b)  $-\text{CN}$  c)  $-\text{X}$  (halogens) d) All

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