



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET-52(CLASS-12)

TOPIC- ALDEHYDE AND KETONE

SUBTOPIC-PREPARATION AND CHEMICAL REACTIONS

SUBJECT – CHEMISTRY

DURATION – 30 mins



F.M. - 15

DATE -17.08.20

1.1 Stephen's reduction is used to convert an alkyl nitrile into-

- a) Aldehyde b) Ketone c) Alcohol d) Carboxylic acid

1.2 Ketones are reduced to-

- a) Primary alcohol b) Secondary alcohol c) Tertiary alcohol d) Not possible

1.3 HIO_4 can oxidise-

- a) Ketone b) Ether c) Vic di ol d) gem di ol

1.4 Rosenmund's reduction is used to prepare aldehyde from-

- a) 4-heptanone b) Acetone c) Alkyl nitrile d) Alkanoyl chloride

1.5 Dry distillation of calcium acetate results in the formation of-

- a) Formaldehyde b) Acetaldehyde c) Methane d) Acetone

1.6 In Wacker process, along with PdCl_2 , air the other reagent used-

- a) Fe_2O_3 b) None of these c) Fe_2O_3 d) CuCl_2

1.7 Acetaldehyde can be identified by-

- a) All of these options are correct b) Tollen's reagent c) Brady's reagent d) Iodoform reaction

1.8 Iodoform test can be used to distinguish between-

a) Ethanol and Ethanal b) Acetaldehyde and Acetone c) Acetone and diethyl ketone d) All of the above

1.9 Which of the following will not give addition reaction with CH_3MgBr in Dry ether?

a) HCHO b) CH_3CHO c) $\text{CH}_3\text{CH}_2\text{CHO}$ d) CH_3OCH_3

1.10 On treating acetaldehyde with I_2 and NaOH -

a) Iodoform is obtained b) Black coloured precipitate is formed c) Yellow coloured has is formed d) Methanoic acid is obtained

1.11 Which of the following is a terminal functional group?

a) Alkene b) Ether c) Alcohol d) Carboxylic acid

1.12 Aldehyde and ketone can be protected and deprotected by-

a) Reaction with alcohol b) Reaction with water c) hydrolysis d) Reaction with alcohol and dry HCl

1.13 Pinacolone is a-

a) Ketone b) Vicinal diol c) geminal diol d) Ester

1.14 Chemical reaction of Aldehyde and ketone with H_2O leads to formation of-

a) alcohol b) stable Vicinal diol c) unstable geminal diol d) Stable product

1.15 Tertiary alcohols on reaction with Cu at 573K produces-

a) Aldehyde b) ketone c) Alkyne d) Alkene

PREPARED BY: MR. ARNAB PAUL CHOWDHURY