



F.M. - 15 **DATE -10.08.20**

- 1.1 For aldol condensation the conditions necessary-
- a) Presence of alpha carbon b) presence of alpha hydrogen c) dilute base d) all of these
- 1.2 Aldehydes are reduced to-

DURATION – 30 mins

- a) Primary alcoholb) Secondary alcohol c) Tertiary alcohold) Not possible
- 1.3 Tetrahydroborate ion is the source of-
- a) Protonb) H+d) Both a and bd) H-
- 1.4 Which of the following is a symmetrical ketone-
- a) 3-hexanoneb) Acetonec) Butanoned) 2-Pentanone
- 1.5 Dry distillation of calcium acetate results in the formation of-
- a) Formaldehydeb) Acetaldehydec) Methaned) Acetone
- 1.6In base catalyzed reaction of carbonyl compound the catalyst-

a) Increases the nucleophilic character of reagentb) Increases the electrophilic character of carbonyl compoundc) Acidic character of reagent d) both a and b

1.7 Cannizzaro's reaction takes place through the transfer of ______ from complex anion.

a) Hydrogen ion b) Hydride Ionc) Oxide ion d) Methoxide ion

1.8 lodoform test can be used to distinguish between-

a) Ethanol and methanolb) Acetaldehyde and methanolc) Acetone and diethyl ketoned) All of the above

1.9 Which of the following will not give addition reaction with NaHSO₃-

a) HCHOb) CH₃CHOc) CH₃CH₂CHOd) None of the above

1.10 On heating aldehydes, with Fehling's solution, we get a precipitate whose colour is-

a) Pinkb) Blackc) Yellowd) Brick red

1.11 Which of the following compounds has the empirical formula CH2O and reacts with sodium hydroxide?

a) Carbonic acidb) Ethanolc) Acetic acidd)Methanoic acid

1.12Aldehyde and ketone have same general formula for homologous series-

a) $C_nH_{2n}O_{2n}$ b) $C_nH_{2n}c$) $C_nH_{2n}Od$) $C_nH_{2n}O_{n+1}$

1.13Oxidation of primary alcohol gives -

a)Ketoneb) Aldehydec) Alkene then – COOH d) Ester

1.14Ethanal is prepared industrially by air oxidation of ethylene using palladium chloride as a catalyst and _____ as a promoter.

- a) PdCl₂b) Cu₂Cl₂c) CuCl₂d) PbCl₂
- 1.15 Nucleophilic addition reactions are catalyzed by-
- a) Acidb) Base c) Both a and b d) None of these

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