

# EQUILIBRIUM CLASSES

M.M-20

Chemistry

Time-1 hrs

Attempt all question marks are given in front of each question

Q.1 -Write I.U.P.A.C NAME OF



Q.2- Write short notes on the following name reaction. (2)

(1) Cannizaro's Rn (2) Rosenmund readuction. (3) Woffl kishner reduction

Q.3- Explane why-(any two) (2)

- (1) Aniline can not be prepared by Gabriel phthalidimide synthesis.
- (2) Phenols are more acidic than ethanol.
- (3) Carboxylic acids are more acidic than phenol.
- (4) Chloroform in kept in air tight dark coloured bottles and ethanol in added.

Q.4 Carry out following conversions.(any four). (4)

- (1) Propan -1-01 to propan -2-01.
- (2) Ethyl magnesium bromide to 2-methyl butan -2-01.
- (3) Glucose in to sorbitol.
- (4) Formaldehyde into Uropropine.
- (5) Benzene into cyano Benene.
- (6) Ethanamine into Methanamine.
- (7) Methanol into Ethanol.

Q.5 Write the prep &uses of any two 1-P.H.B.V 2- Dacron 3-nylon 6,6 (2)

Q.6 what happens when write chemical reactions (2)

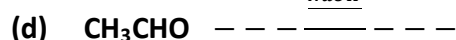
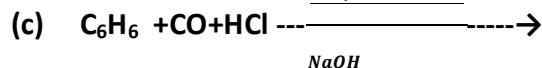
- (i) glucose is treated with HI
- (ii) benzaldehyde is treated with KCN
- (iii)  $3^\circ$  alkyl halide undergoes  $\text{SN}1$  reaction
- (iv) calcium formate is heated

Q. 6 why it is necessary to remove either water or ester during preparation of ester from alcohol and acid? (2)

Q.7 Write the mechanism of any two (2)

- (i) Dehydration of alcohol into ether
- (ii) Dehydration of alcohols into ethene
- (iii)  $\text{SN}1$  reaction

Q.8 complete the following reactions (2)



**CHEMISTRY FOR - I.I.T-J.E.E UPSEE,CPMT,AIPMT - BY ANUJ SIR 9415573342**

**\*\*\*\*\*HAPPY NEW YEAR----2017\*\*\*\*\***

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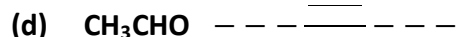
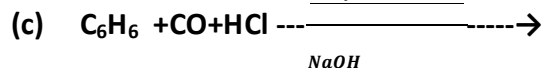
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