

Date Planned : __ / __ / __	Daily Tutorial Sheet-6	Expected Duration : 30 Min
Actual Date of Attempt : __ / __ / __	Level-2	Exact Duration : _____

*76. Which of the following reagent reacts in different ways with CH_3CHO and $\text{C}_6\text{H}_5\text{CHO}$?

- (A) Fehling solution (B) 2, 4-DNP hydrazine
(C) Diethyl amine (D) KCN in ethanol

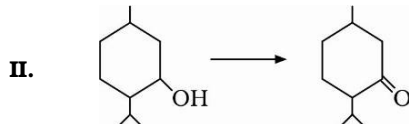
*77. Tollen's reagent can distinguish between :

- (A) CH_3CHO and HCHO (B) CH_3CHO and $\text{C}_6\text{H}_5\text{CHO}$
(C) CH_3COOH and HCOOH (D) CH_3COCH_3 and $\text{C}_6\text{H}_5\text{CHO}$

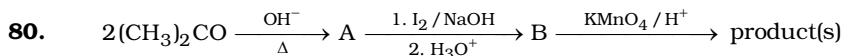
*78. A β -hydroxy carbonyl compound can be obtained by the action of NaOH on :

- (A) $\text{Me}_3\text{C}-\text{CHO}$ (B) PhCH_2CHO (C) CH_3CHO (D) HCHO

79. Suggest suitable oxidising reagents for following conversions :



- (A) MnO_2 in I and CrO_3 (in glacial acetic acid) in II
(B) CrO_3 in I and MnO_2 in II
(C) Both are correct
(D) Both are incorrect



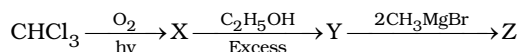
The products may include :

- I. $(\text{CH}_3)_2\text{C}=\text{CHCOOH}$ II. $(\text{CH}_3)_2\text{CO}$
III. $(\text{COOH})_2$ IV. HCOOH

The correct choice is :

- (A) I and II (B) II and III (C) I, II and IV (D) I and IV

81. Which of the following is correct?

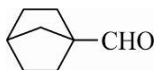
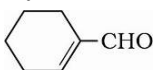
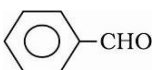


- I. Z give iodoform test
II. Y is diethylcarbonate
III. X reacts with excess of benzene and AlCl_3 form benzophenone.

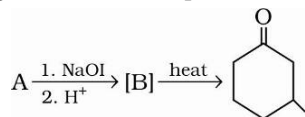
The correct choice is :

- (A) I and II only (B) II and III only
(C) I, II and III (D) I and III only

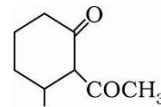
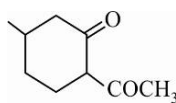
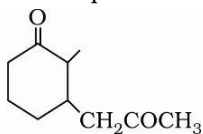
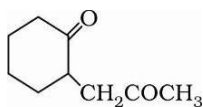
*82. Cannizzaro reaction will be given by :

- (A) -CHO (B) -CHO (C) -CHO (D) $\text{Cl}_3\text{C}-\text{CHO}$

*83. In the given reaction sequence :



The starting compound A corresponds to :

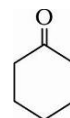


*84. Which of the following do(es) not react with sodium bisulphite ?

I. HCHO

II. $CH_3COC_2H_5$

III.



IV.



(A) III and IV

(B) only II

(C) II and III

(D) II, III and IV

*85. $3CH_3 - \overset{\overset{O}{||}}{C} - CH_3 \xrightarrow{\text{conc. } H_2SO_4} A$. Which is (are) correct statement(s) about A :

(A) It is an aromatic compound

(B) It can be oxidised to carboxylic acid

(C) It can undergoes free radical as well as electrophilic substitution reaction

(D) It contains two carbonyl group