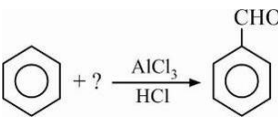
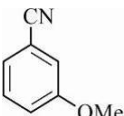
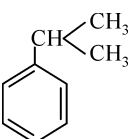
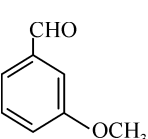
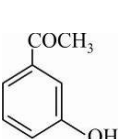
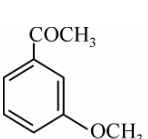
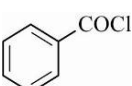
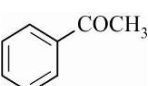
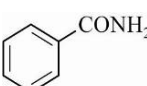
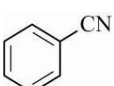
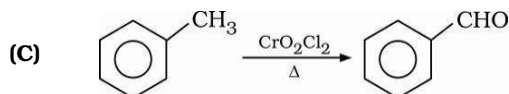
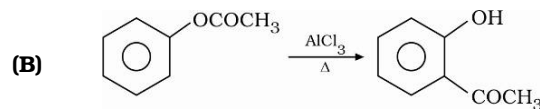
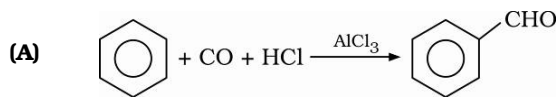


Date Planned : __ / __ / __	Daily Tutorial Sheet-1	Expected Duration : 30 Min
Actual Date of Attempt : __ / __ / __	Level-1	Exact Duration : _____

- Which of the following gives an aldehyde on dry distillation ?
(A) Calcium formate + calcium acetate **(B)** Calcium acetate + calcium benzoate
(C) Calcium acetate **(D)** Calcium benzoate
- Which set of products is expected on reductive ozonolysis of the following

$$\text{CH}_3\text{CH}=\overset{\text{CH}_3}{\underset{|}{\text{C}}}-\text{CH}=\text{CH}_2$$
diolefin ?
(A) CH_3CHO ; $\text{CH}_3\text{COCH}=\text{CH}_2$ **(B)** $\text{CH}_3\text{CH}=\text{C}(\text{CH}_3)\text{CHO}$; CH_2O
(C) CH_3CHO ; CH_3COCHO ; CH_2O **(D)** CH_3CHO ; CH_3COCH_3 ; CH_2O
- The compound which is not formed during the dry distillation of a mixture of calcium formate and calcium acetate is :
(A) Methanal **(B)** Propanal
(C) Propanone **(D)** Ethanal
-  Identify the reactant :
(A) H_2O **(B)** HCHO
(C) CO **(D)** CH_3CHO
-  Product (P) in the reaction is :
(A)  **(B)**  **(C)**  **(D)** 
- Which of the following can be prepared by reduction of ester using DIBAL-H ?
(A) acetophenone **(B)** benzaldehyde
(C) benzophenone **(D)** acetaldehyde
- 3-pentanol on reaction with aluminum tertiary butoxide in the presence of acetone gives :
(A) 3-pentanal **(B)** pentanal
(C) 3-pentanone **(D)** 2-pentanone
- $\text{A} + \text{H}_2 \xrightarrow{\text{Pd/BaSO}_4} \text{C}_6\text{H}_5\text{CHO}$ A is :
(A)  **(B)**  **(C)**  **(D)** 

9. Which of the following is correct ?



(D) All are correct

*10. The best reagent to convert pent-3-en-2-ol into pent-3-en-2-one is :

(A) pyridinium chloro-chromate

(B) chromic anhydride in glacial acetic acid

(C) acidic dichromate

(D) acidic permanganate

11. By combining the two calcium salts of carboxylic acids, we are preparing 2-butanone. Find the correct pair of the following.

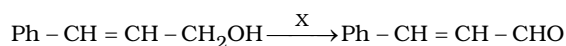
(A) calcium formate + calcium propanoate

(B) calcium acetate + calcium propanoate

(C) calcium acetate + calcium acetate

(D) calcium formate + calcium acetate

12. Which of the following reagent is suitable for the X in the conversion given below ?



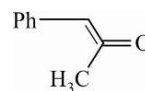
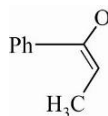
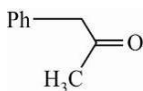
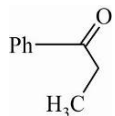
(A) $[(\text{CH}_3)_3\text{CO}]_3\text{Al} + (\text{CH}_3)_2\text{CHOH}$

(B) $\text{C}_5\text{H}_5\text{N}^+\text{HCrClO}_3^-$

(C) MnO_2

(D) All of these

13. $\text{Ph} - \text{C} \equiv \text{C} - \text{CH}_3 \xrightarrow[\text{H}_2\text{O}]{\text{Hg}^{2+}/\text{H}^+} \text{A}$, A is :



14. DIBAL-H reduces which of the following to an aldehyde ?

(A) $\text{R} - \text{COOH}$

(B) HCOOR

(C) RCN

(D) $(\text{RCO})_2\text{O}$

15. A compound X undergoes reduction with LiAlH_4 to yield Y. When vapours of Y are passed over freshly reduced copper at 300°C , X is formed. What is Y?

(A) CH_3COCH_3

(B) CH_3CHO

(C) $\text{CH}_3\text{CH}_2\text{OH}$

(D) CH_3OCH_3