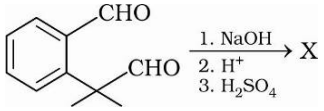
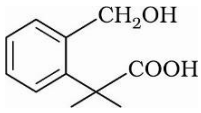
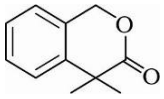
Date Planned : __ / __ / __	Daily Tutorial Sheet-9	Expected Duration : 30 Min
Actual Date of Attempt : __ / __ / __	Level-2	Exact Duration :_____

106. 

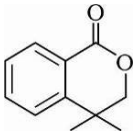
Product X is :



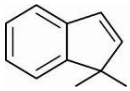
(A)



(B)



(C)



(D)

***107.** Which of the following is(are) true for Pentan-2, 4-dione ?

(A) It forms a cyclic imine with hydrazine

(B) Its enol form is highly stable

(C) It responds positively to Tollen's reagent test

(D) It has an active methylene group

***108.** Which of the following statements is correct for the nucleophilic addition of sodium bisulphite on aldehyde and ketones ?

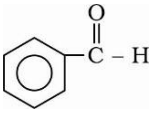
(A) This addition reaction is very sensitive to steric crowding; as the crowding increases ease of addition decreases. Therefore, most aldehyde and some ketones respond to this reaction significantly.

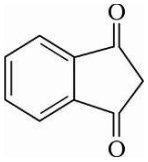
(B) Bisulphite addition reaction can be used to separate the aldehydes & ketones from a mixture containing some other compounds because the addition products are often crystalline salts.

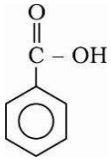
(C) Bisulphite addition reaction is a reversible reaction. Therefore, bisulphite addition products can be decomposed to regenerate the corresponding aldehydes and ketone, on treatment with acid or base.

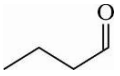
(D) Acetophenone form more rapidly addition product with sodium bisulphite than acetone.

***109.** Which of the following compounds show acid base reaction with NaOH ?

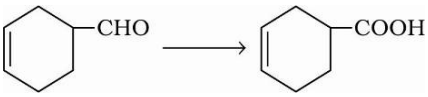
(A) 

(B) 

(C) 

(D) 

***110.** Pick out the selective reagent for the following transformation :



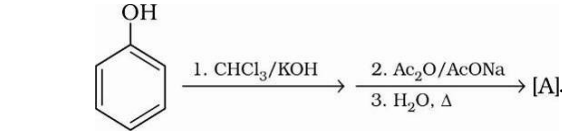
(A) 1% alkaline $KMnO_4$

(B) H_2CrO_4

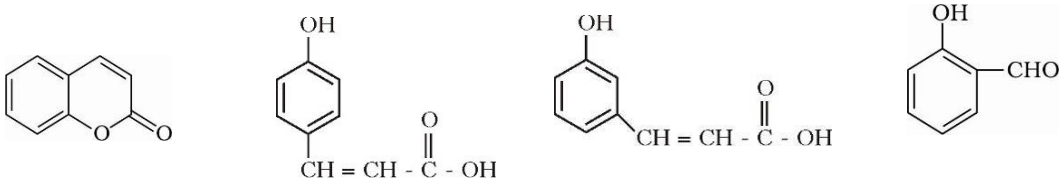
(C) Ammoniacal $AgNO_3$

(D) Fehling solution

***111.** Consider the following sequence of reactions :

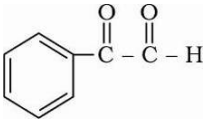


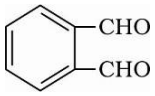
[A] may be :

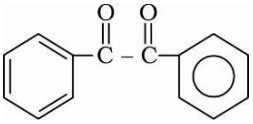


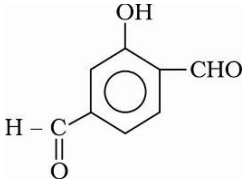
(A) **(B)** **(C)** **(D)**

***112.** Which of the following compound will give intramolecular Cannizzaro's reaction ?

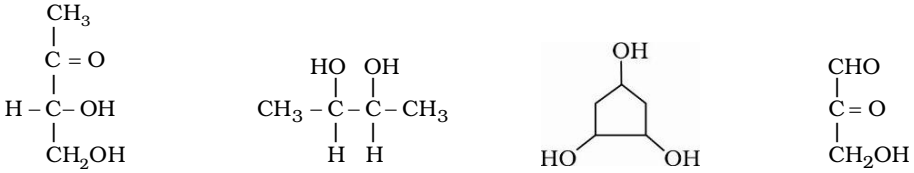
(A) 

(B) 

(C) 

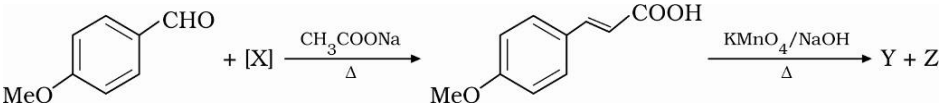
(D) 

***113.** Which compounds will be oxidised by HIO_4 ?



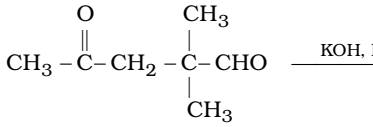
(A) **(B)** **(C)** **(D)**

***114.** Select correct options for the given reaction :



(A) X = CH_3COOH **(B)** X = $(CH_3CO)_2O$

(C) Z = $(COONa)_2$ **(D)** Y = p - MeO – C_6H_4 – COONa

115. 

(A); product A is :

(A) **(B)** **(C)** **(D)**