

## DISTINGUISH

Q1:-Distinguish between the following:-

- (a)Phenol and alcohol
- (b)Benzaldehyde and Propanal
- (c)Acetic acid and formic acid
- (d)Benzophenone and acetophenone
- (e)Ethanal and propanal
- (f)Propanol and ethanol
- (g)Pentanone-2 and pentanone-3
- (h)2 Alcohol and 3 alcohol
- (i)1,2,3 amine
- (j)Benzoic acid and benzene
- (k)Phenol and benzoic acid
- (l)Aniline and ethyl amine
- (m)Aniline and nitrobenzene
- (n)Benzaldehyde and acetophenone
- (o)Methanol and benzaldehyde
- (p)Chloro benzene and benzyl chloride

## ANSWERS

- |                                                                                       |                                                                                        |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| (a) Phenol<br>It gives $\text{FeCl}_3$ test<br>(violet colour)                        | Alcohol<br>It doesn't give this test                                                   |
| (b) Benzaldehyde<br>It gives tollen's<br><br>It doesn't give fehling<br>solution test | Propanal<br>It also give tollen's<br>reagent test<br>It gives fehling solution<br>test |
| (c) Acetic acid<br>It doesn't gives tollen's reagent                                  | Formic acid<br>It gives tollen's test                                                  |

It doesn't give fehling's test

It gives fehling test

(d) Benzophenone  
It doesn't give iodoform test

Acetophenone  
It gives iodoform test

(e) Ethanal  
It gives iodoform test

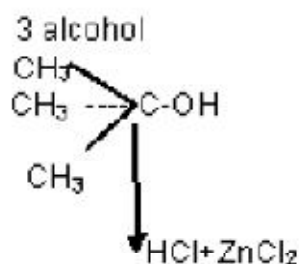
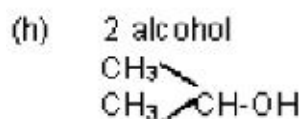
Propanal  
It doesn't gives iodoform test

(f) Propanol  
It doesn't give iodoform test

Ethanol  
It gives iodoform test

(g) pentanone-2  
It gives iodoform test

pentanone-3  
It doesn't gives iodoform test

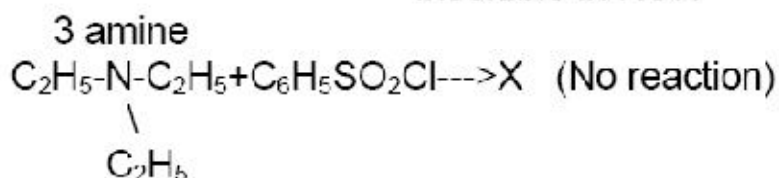
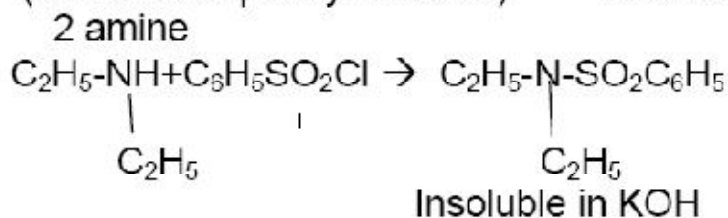
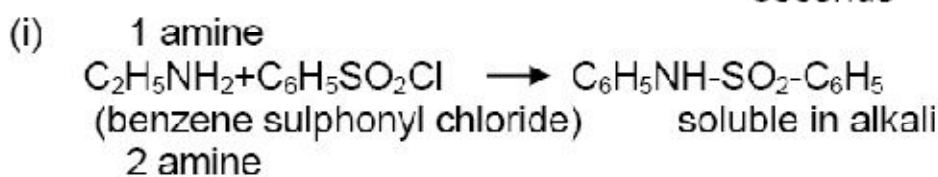


$-\text{HCl} + \text{ZnCl}_2$

$-\text{HCl} + \text{ZnCl}_2$

It takes 5 minutes

turbidity is formed within no seconds



(J) Benzoic acid  
add  $\text{NaHCO}_3$

Benzene  
no effervescence