



TARGET : NEET (UG) 2024

Course : SARANSH (Youtube Live CRASH COURSE)

O-CHEMISTRY

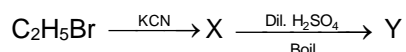
DPP

DAILY PRACTICE PROBLEMS

DPP NO. 2

DPP No. : 2

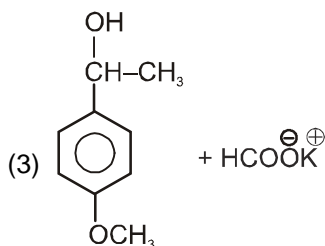
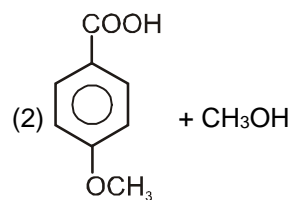
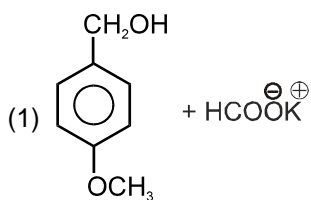
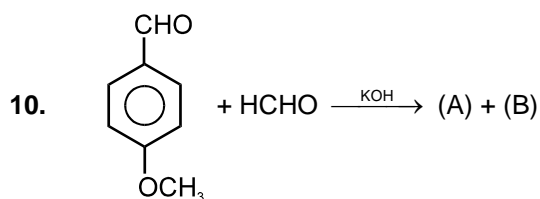
1. In the following reaction sequence product Y is



- (1) Ethanol (2) Ethanal  
 (3) Propanoic acid (4) Ethanenitrile
2. The reaction :  $\text{RCOOAg} + \text{Br}_2 \xrightarrow{\text{CCl}_4, \text{Reflux}} \text{R-Br} + \text{AgBr} + \text{CO}_2$  is called  
 (1) Wurtz reaction (2) Hunsdiecker reaction  
 (3) Friedel-Crafts reaction (4) Kolbe's reaction
3. The reaction,  $\text{CH}_3\text{COOH} + \text{CH}_3\text{OH} \xrightarrow{\text{H}^+} \text{CH}_3\text{COOCH}_3 + \text{H}_2\text{O}$  is called  
 (1) Acidification reaction (2) Dehydration reaction  
 (3) Dehydrogenation reaction (4) Esterification reaction
4. The product formed by the reaction of acetamide with  $\text{Br}_2$  in presence of  $\text{NaOH}$  is :  
 (1)  $\text{CH}_3\text{CN}$  (2)  $\text{CH}_3\text{CHO}$   
 (3)  $\text{CH}_3\text{CH}_2\text{OH}$  (4)  $\text{CH}_3\text{NH}_2$
5. The decreasing order of reactivity towards nucleophilic acyl substitution is  
 (i)  $\text{CH}_3\text{COCl}$  (ii)  $\text{CH}_3\text{COOC}_2\text{H}_5$ , (iii)  $\text{CH}_3\text{CONH}_2$  (iv)  $(\text{CH}_3\text{CO})_2\text{O}$   
 (1) (i) > (iv) > (iii) > (ii) (2) (i) > (iv) > (ii) > (iii)  
 (3) (iv) > (iii) > (i) > (ii) (4) (iii) > (i) > (iv) > (ii)
6. What product is formed when acetic acid reacts with  $\text{P}_2\text{O}_5$  .  
 (1) Acetyl chloride (2) Trichloro acetic acid  
 (3) Acetic anhydride (4) Di-chloro acetic acid
7. Process by which formation of acetone take place :  
 (1) Pyrolysis of  $\text{CH}_3\text{COOH}$  (2) Oxidation of  $\text{CH}_3\text{COOH}$   
 (3) Pyrolysis of calcium acetate (4) Oxidation of n-propyl alcohol



8. A dihaloalkane on alkaline hydrolysis produces a ketone with formula  $C_3H_6O$ . The dihaloalkane can be
- (1) 2,2-Dichloropropane (2) 1,1-Dichloropropane  
 (3) 1,2-Dichloropropane (4) 1,3-Dichloropropane
9. The general order of reactivities of given carbonyl compounds towards nucleophilic addition reaction is :
- (1)  $H_2C=O > (CH_3)_2C=O > Ar_2C=O > CH_3CHO > ArCHO$ .  
 (2)  $H_2C=O > CH_3CHO > (CH_3)_2C=O > ArCHO > Ar_2C=O$ .  
 (3)  $ArCHO > Ar_2C=O > CH_3CHO > (CH_3)_2C=O > H_2C=O$ .  
 (4)  $Ar_2C=O > (CH_3)_2C=O > ArCHO > CH_3CHO > H_2C=O$ .



(4) (1) and (2) both

### Answer Key

1. (3) 2. (2) 3. (4) 4. (4) 5. (2) 6. (3) 7. (3)  
 8. (1) 9. (2) 10. (1)