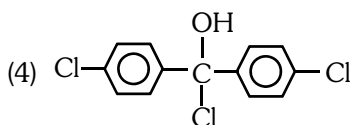
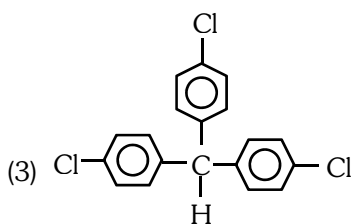
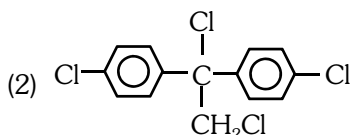
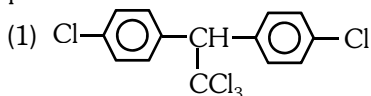


### AIPMT 2009

1. Trichloroacetaldehyde,  $\text{CCl}_3\text{CHO}$  reacts with chlorobenzene in presence of sulphuric acid and produces :-



### AIPMT 2010

2. In the following reaction  
 $\text{C}_6\text{H}_5\text{CH}_2\text{Br} \xrightarrow[2. \text{H}_3\text{O}^+]{1. \text{Mg, Ether}} \text{X}$

The product 'X' is :-

- (1)  $\text{C}_6\text{H}_5\text{CH}_2\text{OH}$   
 (2)  $\text{C}_6\text{H}_5\text{CH}_3$   
 (3)  $\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{C}_6\text{H}_5$   
 (4)  $\text{C}_6\text{H}_5\text{CH}_2\text{OCH}_2\text{C}_6\text{H}_5$

3. Following compounds are given :



Which of the above compound(s), on being warmed with iodine solution and  $\text{NaOH}$ , will give iodoform?

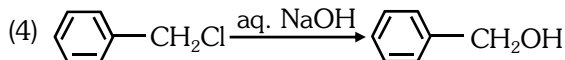
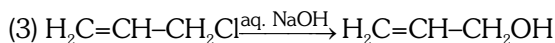
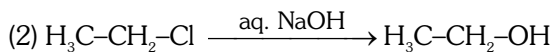
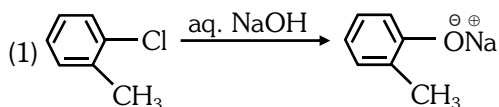
- (1) Only (a) (2) (a), (b) and (c)  
 (3) (a) and (b) (4) (a), (c) and (d)

### AIPMT Mains 2012

4. Which of the following compounds will give a yellow precipitate with iodine and alkali ?  
 (1) Acetamide (2) Propan-1-ol  
 (3) Acetophenone (4) Methyl acetate

### NEET(UG) 2019 (ODISHA)

5. The hydrolysis reaction that takes place at the slowest rate, among the following is :-



### NEET(UG) 2021

6. The correct sequence of bond enthalpy of 'C-X' bond is  
 (1)  $\text{CH}_3-\text{F} < \text{CH}_3-\text{Cl} < \text{CH}_3-\text{Br} < \text{CH}_3-\text{I}$   
 (2)  $\text{CH}_3-\text{F} > \text{CH}_3-\text{Cl} > \text{CH}_3-\text{Br} > \text{CH}_3-\text{I}$   
 (3)  $\text{CH}_3-\text{F} < \text{CH}_3-\text{Cl} > \text{CH}_3-\text{Br} > \text{CH}_3-\text{I}$   
 (4)  $\text{CH}_3-\text{Cl} > \text{CH}_3-\text{F} > \text{CH}_3-\text{Br} > \text{CH}_3-\text{I}$

Que.	1	2	3	4	5	6	
Ans.	1	2	2	3	1	2	