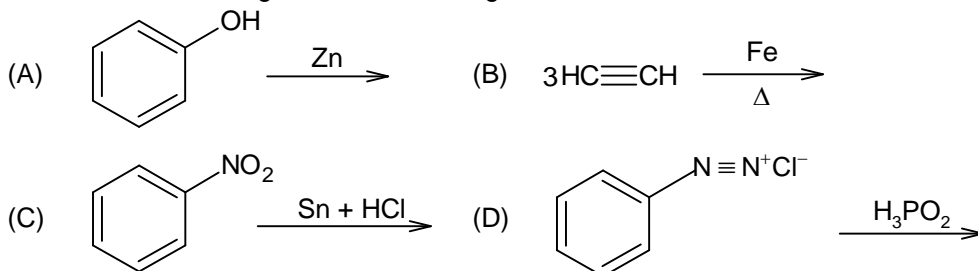
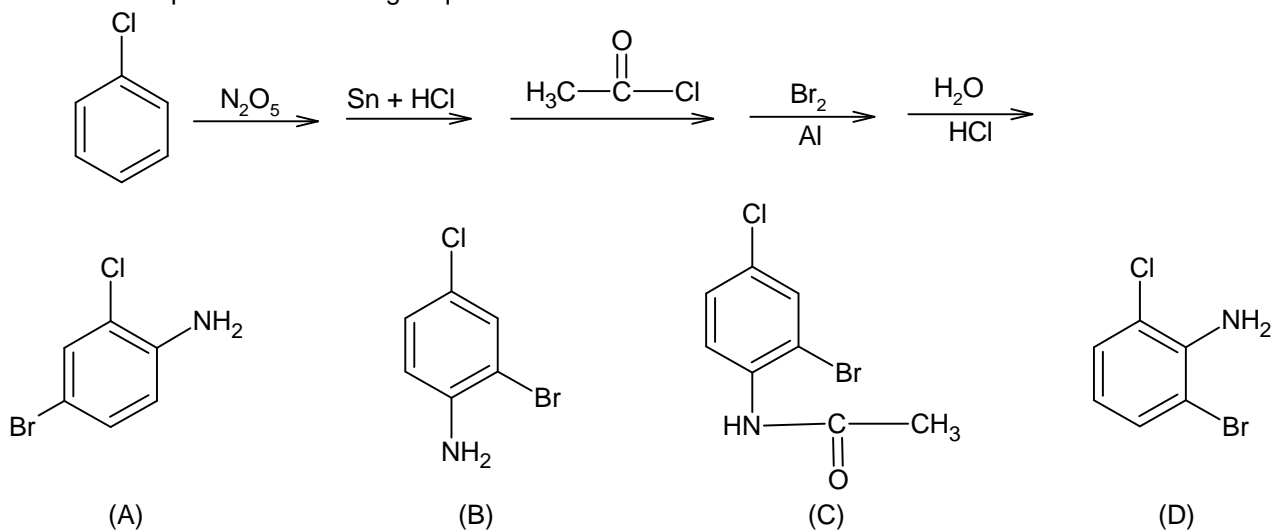


SINGLE CORRECT OPTION TYPE

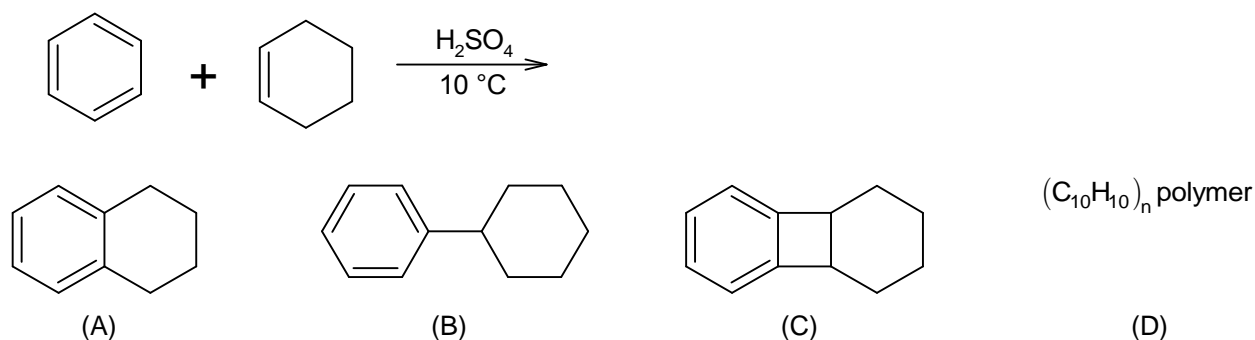
1. Which of the following reactions will not give benzene.



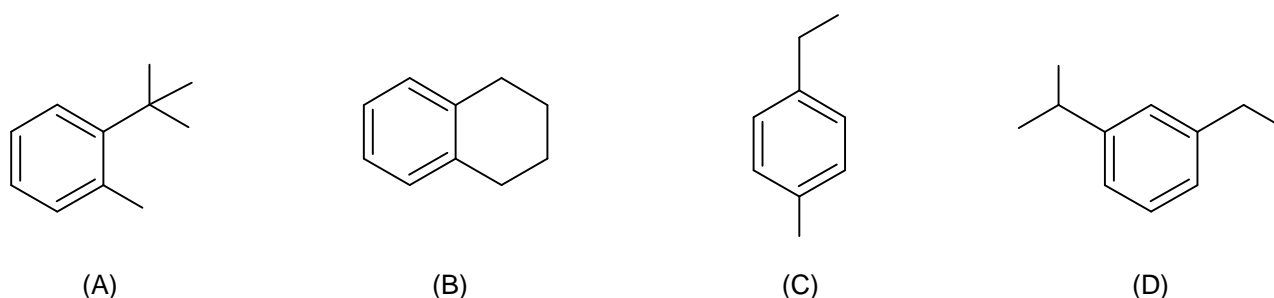
2. The final product of following sequence of reactions.

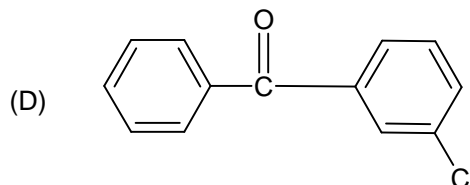
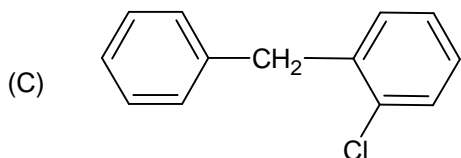
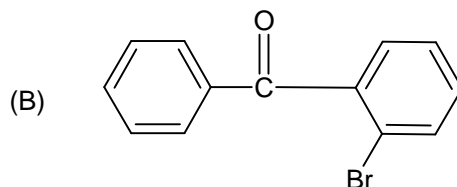
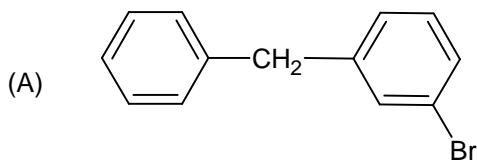
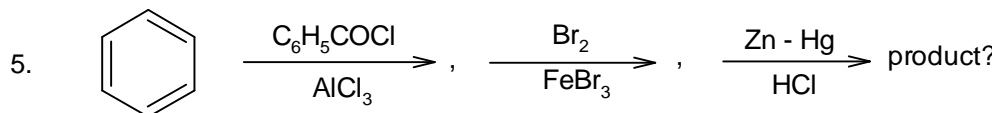


3. Which of the following is the major product in the reaction.

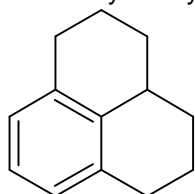


4. Which of the following compounds form ortho-benzene dicarboxylic acid when oxidised by hot aqua.  $\text{KMnO}_4$  ?





6. How many benzylic hydrogens are present in the hydrocarbon shown?



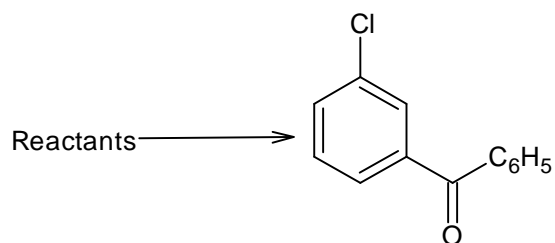
(A) 3

(B) 5

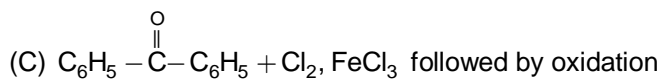
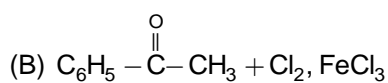
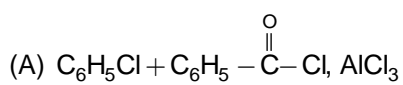
(C) 4

(D) 6

7.

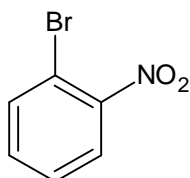


The best reactants are

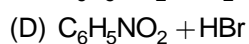
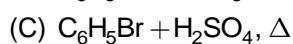
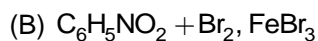
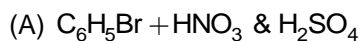


(D) none

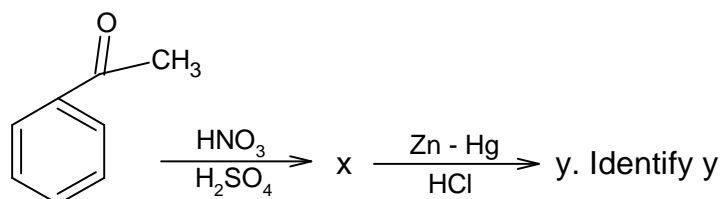
8. The best reactants to produce

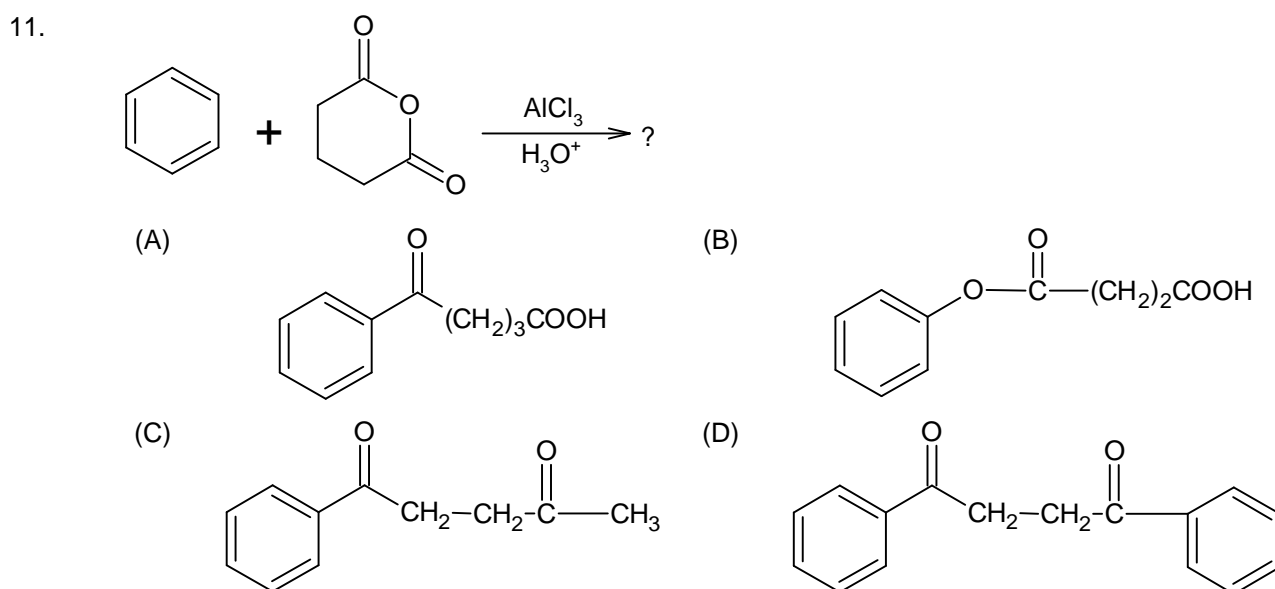
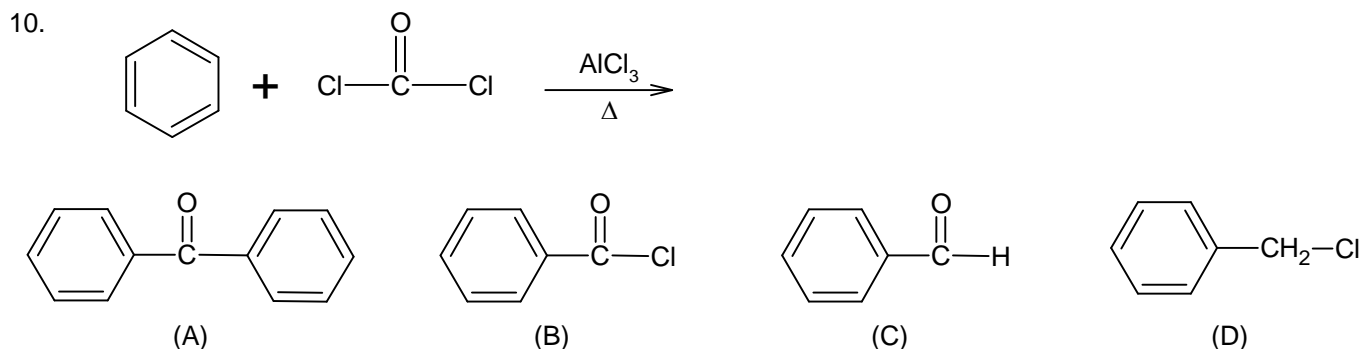
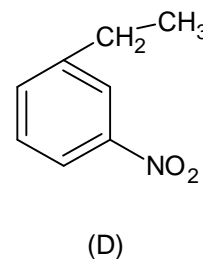
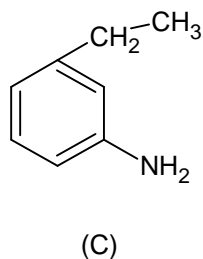
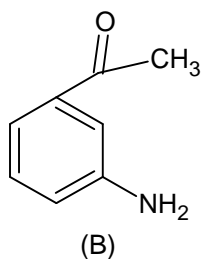
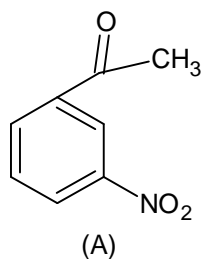


are

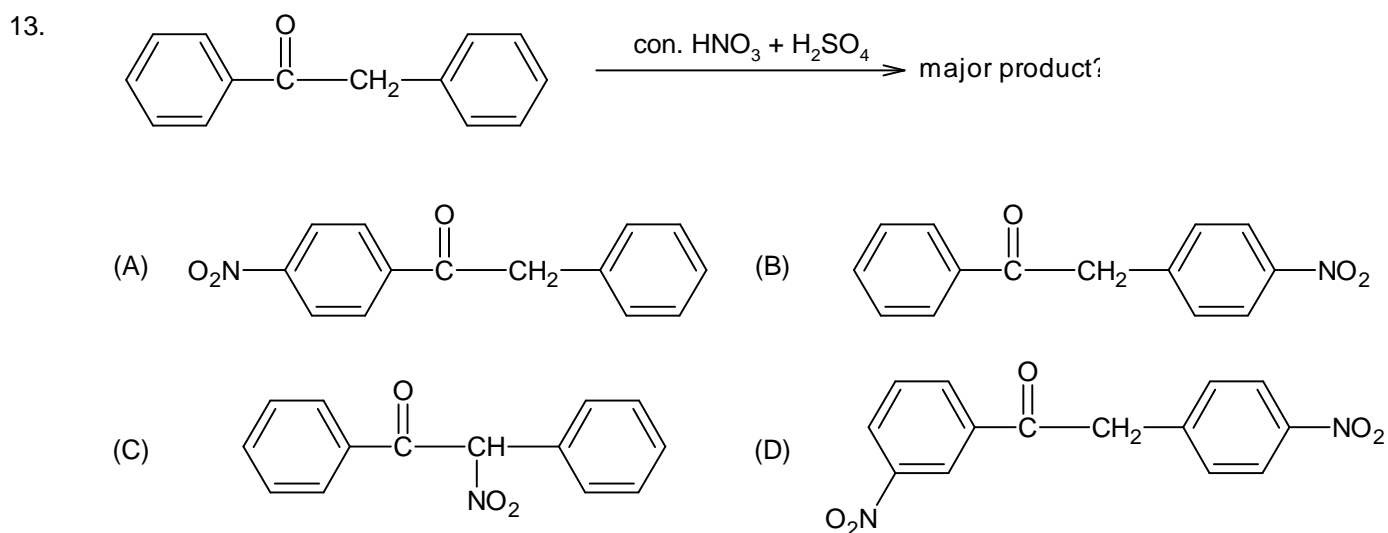


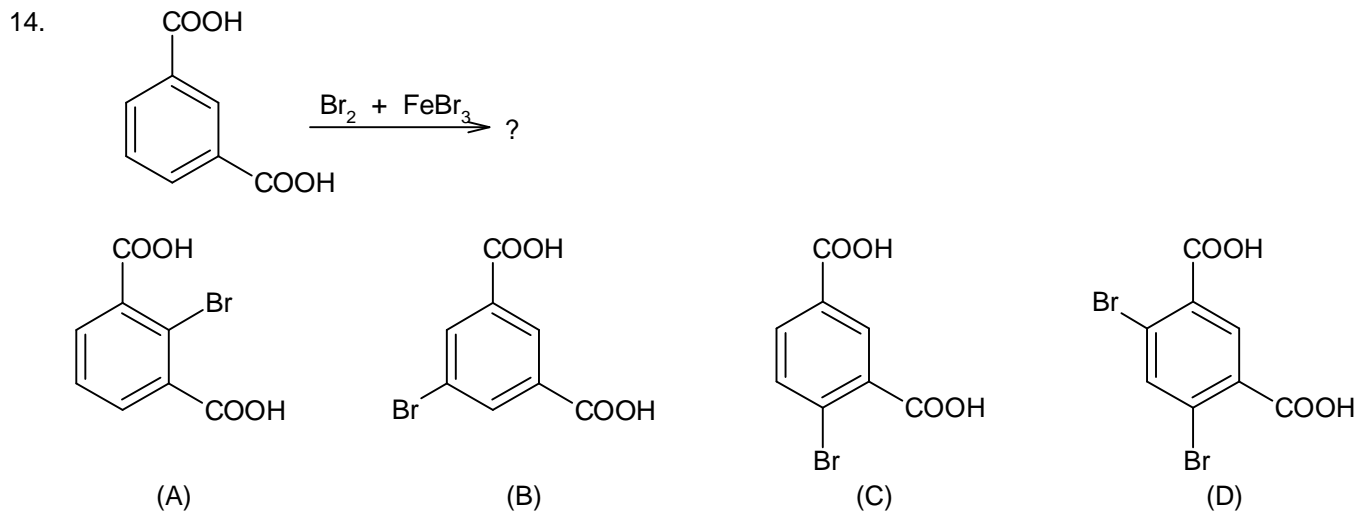
9.



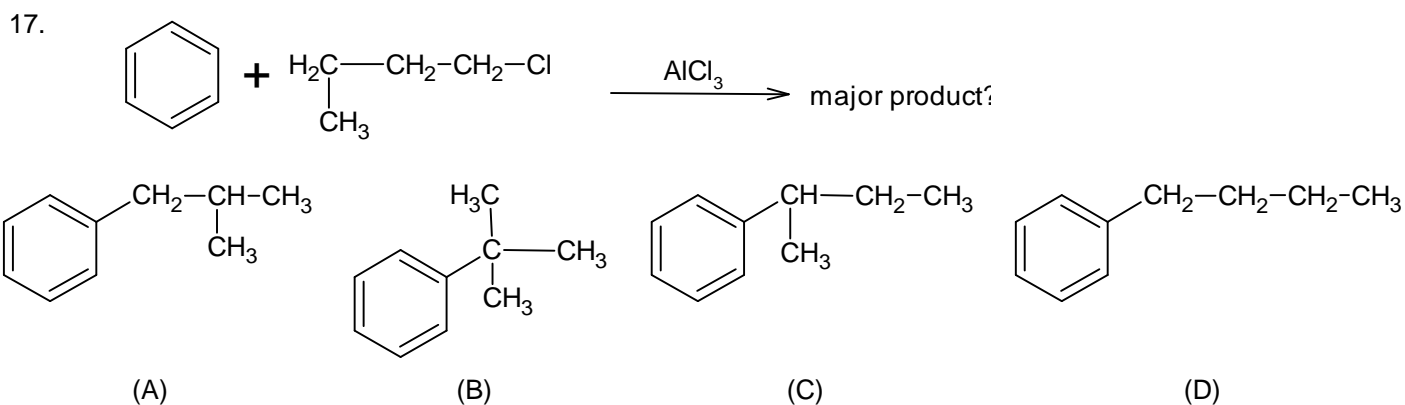
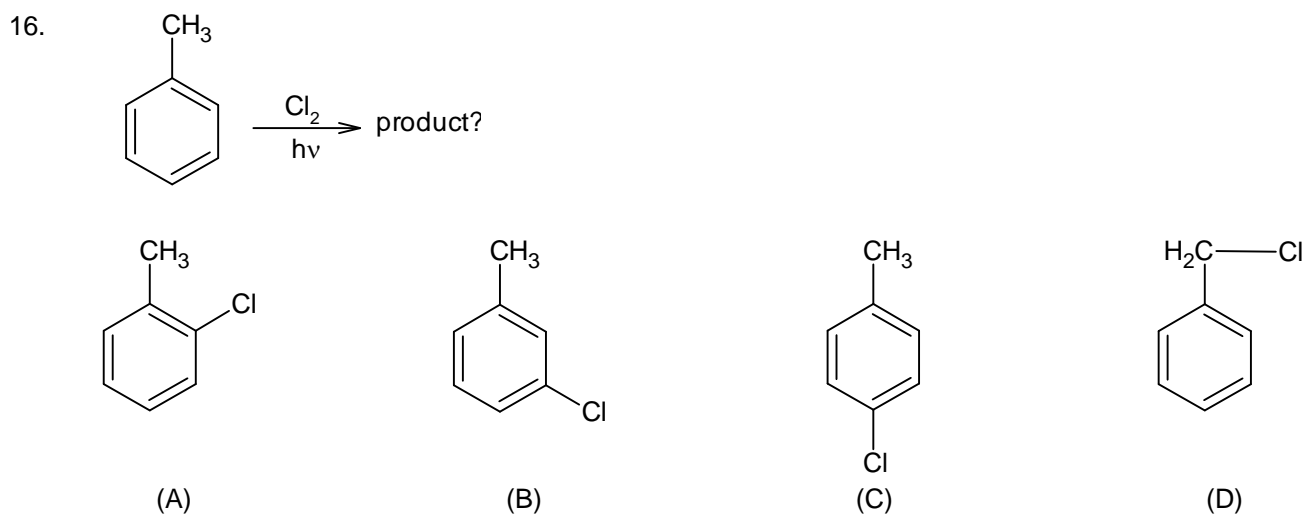
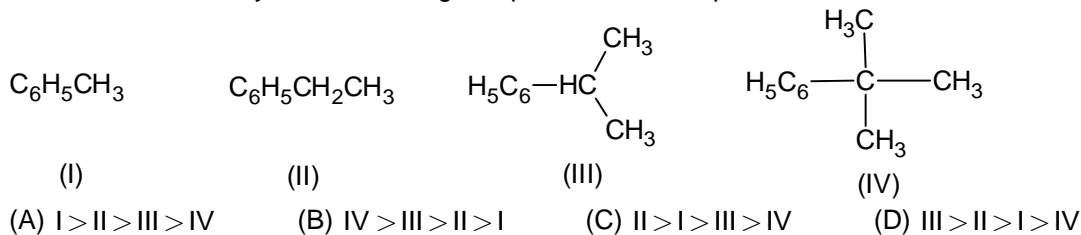


12. Distillation involves all the following processes except  
 (A) change of state (B) evaporation (C) Boiling (D) Condensation





15. The order of reactivity of the following compounds in electrophilic substitution will be

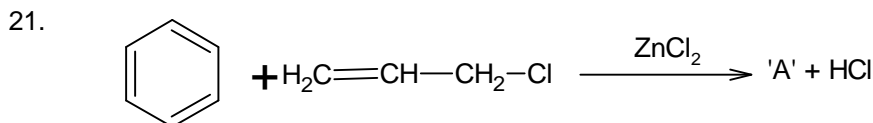


18. When phenol is treated with excess of bromine water, it gives

(A) m - bromophenol      (B) o - and p - bromophenol  
 (C) 2, 4 - dibromophenol      (D) 2, 4, 6 - tribromophenol

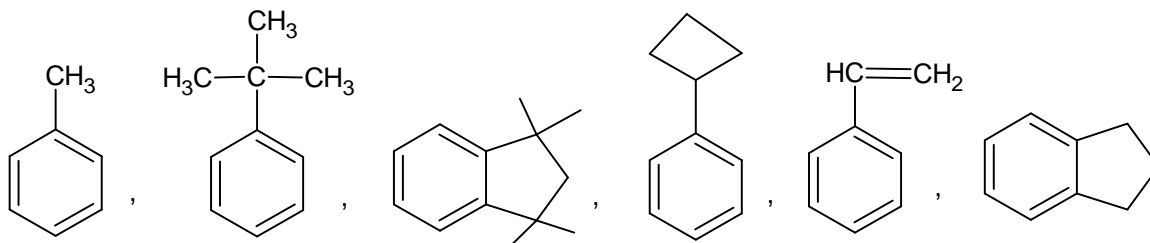
19.  $C_6H_6 + Cl_2 \xrightarrow{h\nu} ?$   
 (A)  $C_6H_5Cl$  (B) ortho  $C_6H_4Cl_2$  (C)  $C_6H_6Cl_6$  (D) para  $C_6H_4Cl_2$
20. Which of the following compounds react slower than benzene in electrophilic bromination?  
 (A)  $C_6H_5CH_3$  (B)  $C_6H_5OH$  (C)  $C_6H_5NO_2$  (D)  $C_6H_5NH_2$

**INTEGER TYPE**



The number of  $\pi$  bonds in compound 'A' \_\_\_\_\_

22. An organic compound contains 61% C, 11.88% hydrogen. The molecular mass of the compound is 118. Then, the number of oxygen atoms per molecule is \_\_\_\_\_.
23. How many of the following compounds is/are used as adsorbent in column chromatography.  
 $Al_2O_3, CaCO_3, Na_2CO_3$ , silica gel
24. How many of the following can undergo sublimation?  
 $NaHCO_3, NH_4Cl$ , naphthalene, camphor,  $CaCl_2, CuSO_4$
25. Find out how many compounds will show oxidation with acidic  $KMnO_4$ .



**KEY**

1.	C	2.	B	3.	B	4.	B	5.	A
6.	B	7.	B	8.	A	9.	C	10.	A
11.	A	12.	B	13.	B	14.	B	15.	A
16.	D	17.	C	18.	D	19.	C	20.	C
21.	4	22.	2	23.	3	24.	3	25.	4

*\* Wish You<sup>all</sup> all the Best \**