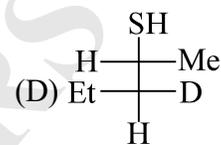
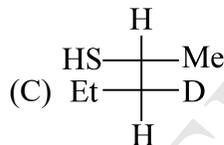
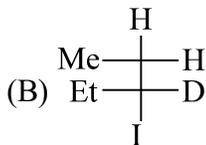
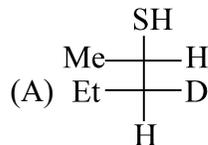
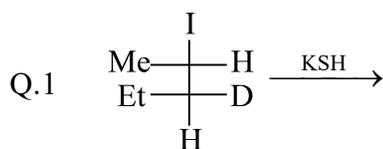
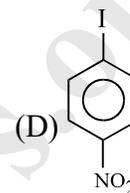
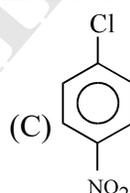
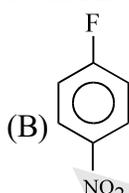
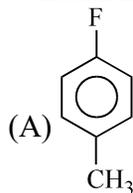
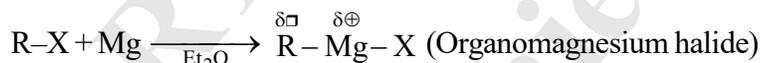


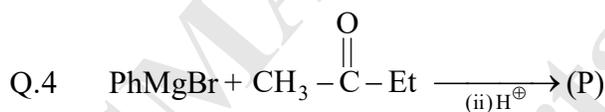
Single correct :

- Q.2 True statements regarding S_N1 reaction is/are
 (A) Perfect racemisation is observed
 (B) Only Walden inversion is observed
 (C) Total retention of configuration is observed
 (D) None of these

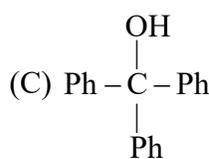
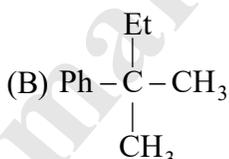
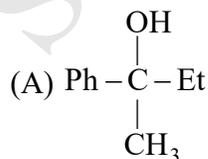
- Q.3 Which is most reactive towards nucleophilic aromatic substitution.

**Comprehension :****Paragraph for Question Nos. 4 to 6****Preparation of Grignard reagent.**

Grignard reagent may be made from primary, secondary and tertiary alkyl halide as well as from vinyl halide and aryl halides. Grignard reagent is strong nucleophile and strong bases.

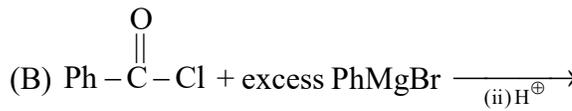
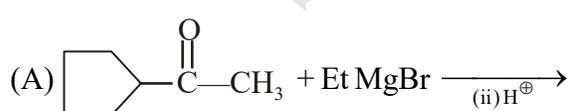


Major product (P).

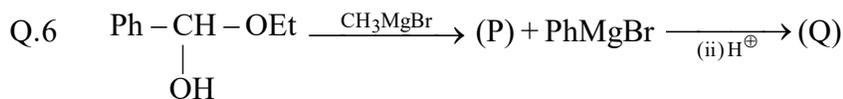


(D) None

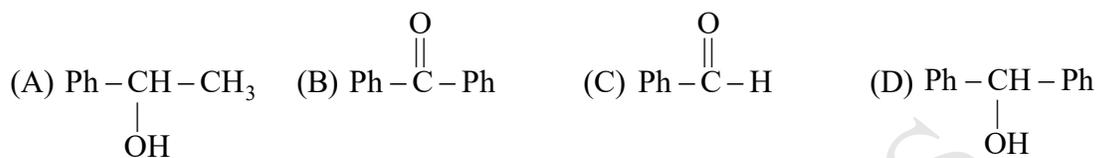
- Q.5 In which of following reaction tertiary alcohol will be obtained as a product.



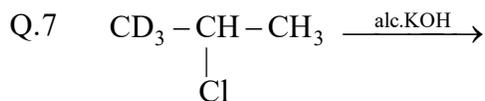
(D) All



End product (Q) is



More than one correct :



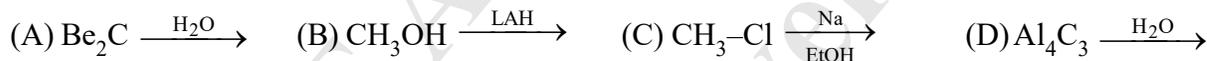
True about above reaction is/are:

- (A) It is E^2 elimination
 (B) Saytzeff's alkene is major product in above reaction
 (C) $\text{CD}_3-\text{CH}=\text{CH}_2$ is major product
 (D) It is anti elimination

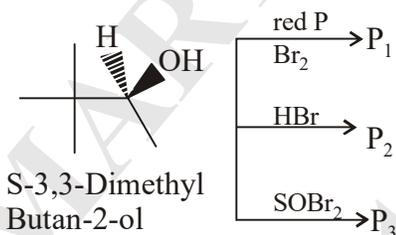
Q.8 Which of the following can give ppt. of AgCl with both aq. AgNO_3 & alc. AgNO_3 .



Q.9 Methane will be produced in which of the following reaction:

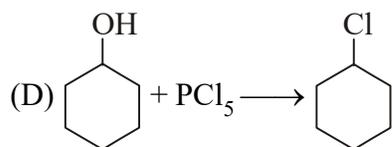
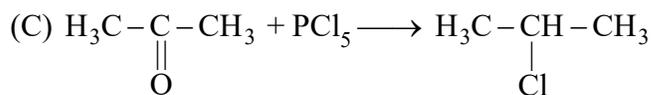


Q.10 Select correct statement about the products.

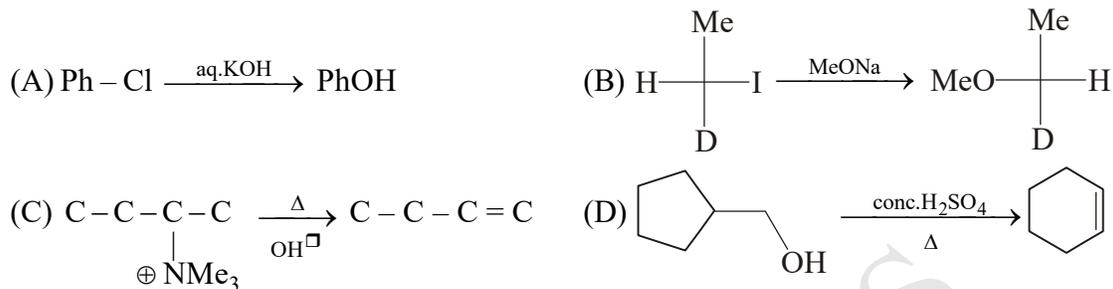


- (A) P_1 & P_3 are identical (B) P_1 & P_2 are positional isomers
 (C) P_1 & P_3 are enantiomers (D) P_2 & P_3 are positional isomers.

Q.11 Which reaction is / are correct. (Only organic products are given)



Q.12 In which of the following reaction correct product is given

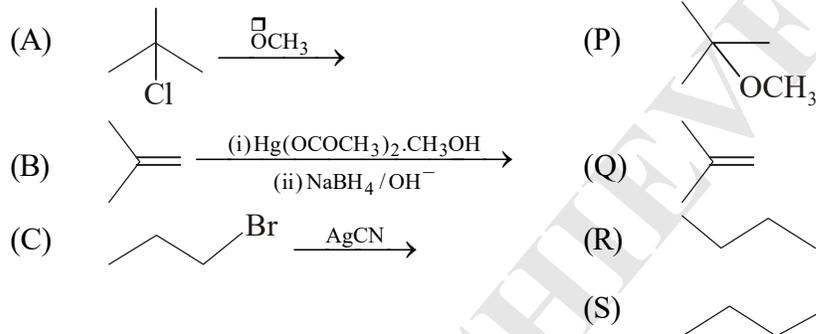


Match the column :

Q.13

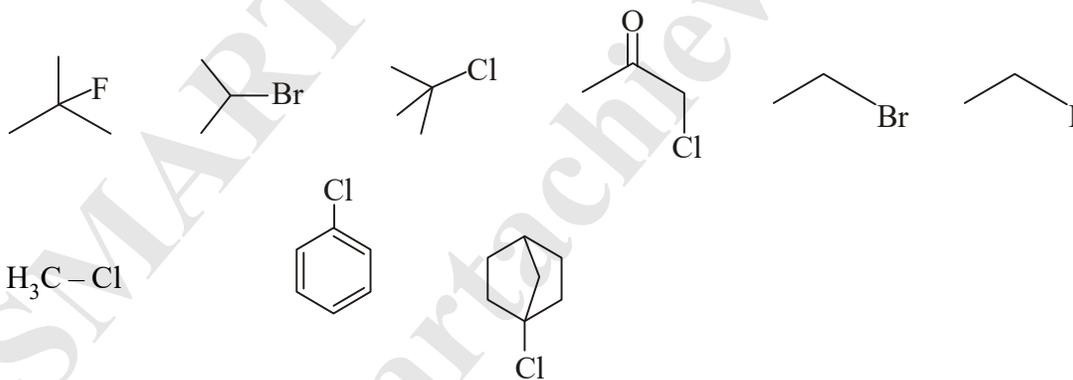
**Column I
(Reaction)**

**Column II
(Major product)**

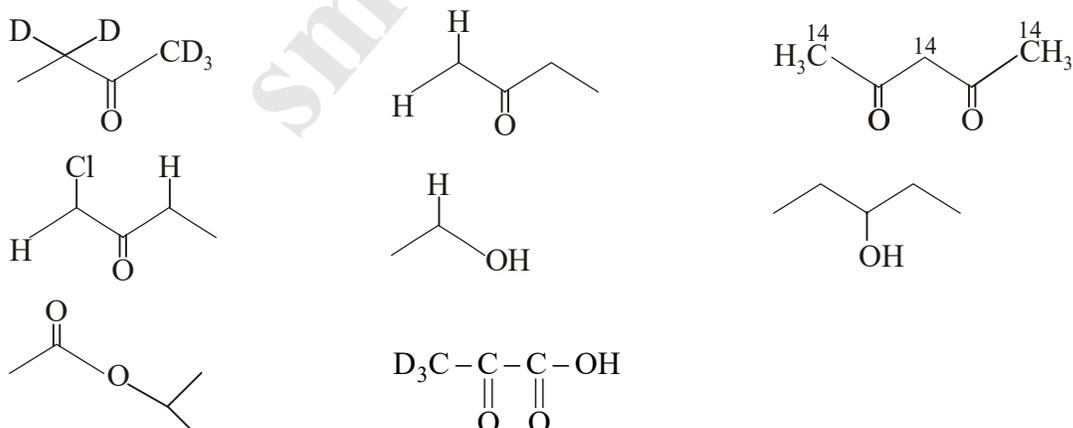


Subjective :

Q.14 Number of compounds which are more reactive than $\text{H}_3\text{C}-\underset{\text{CH}_3}{\text{CH}}-\text{Cl}$ by $\text{S}_{\text{N}}2$ mechanism ?

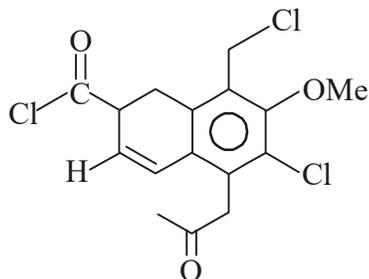


Q.15 Number of compounds which can show Haloform reaction.

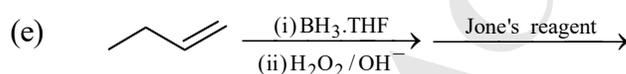
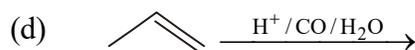
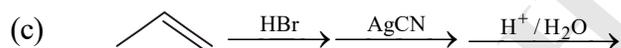
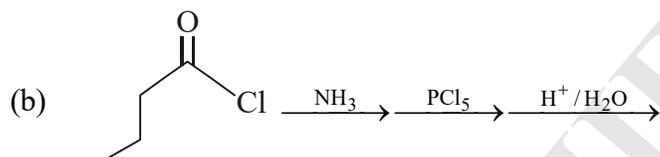
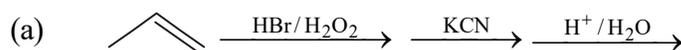


Q.16 Number of structures of trichloroderivatives of cyclohexane are

Q.17 How many moles of Grignard's reagent will be consumed per mole.

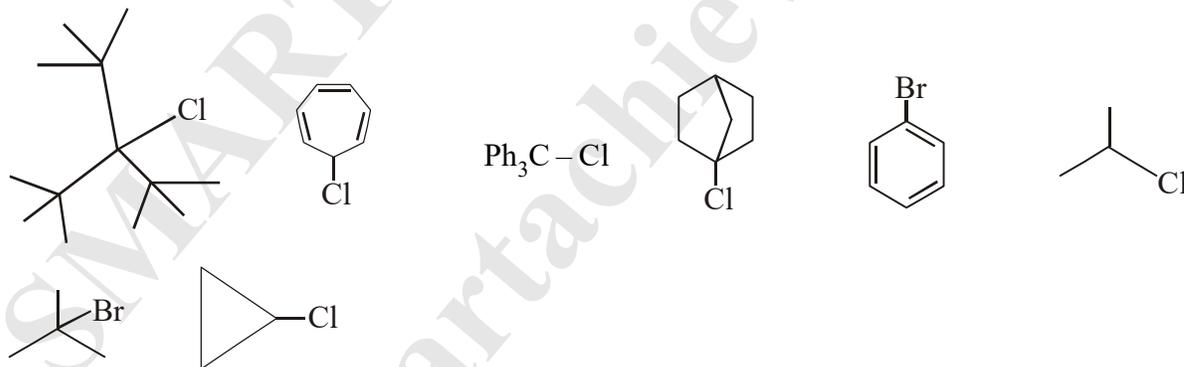


Q.18 Consider following reactions:

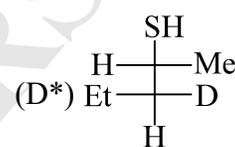
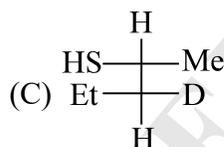
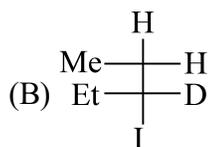
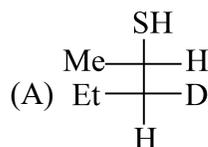
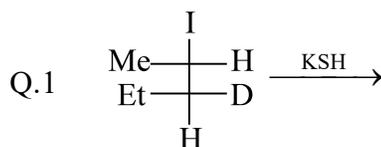


Number of reactions which can produce Butyric acid as major product is / are _____.

Q.19 Consider following compounds.

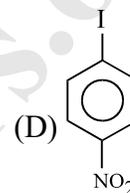
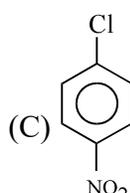
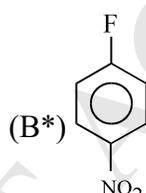
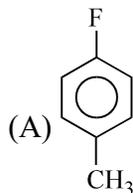
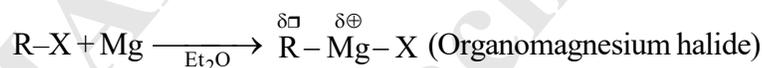


Number of compounds in above compound which are more reactive than CC(C)(C)Cl for S_N1 reaction is / are _____.

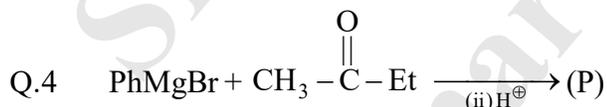
Single correct :

- Q.2 True statements regarding S_N1 reaction is/are
 (A) Perfect racemisation is observed
 (B) Only Walden inversion is observed
 (C) Total retention of configuration is observed
 (D*) None of these

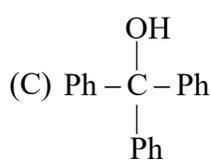
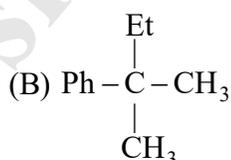
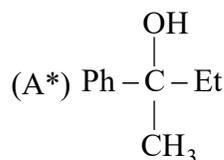
- Q.3 Which is most reactive towards nucleophilic aromatic substitution.

**Comprehension :****Paragraph for Question Nos. 4 to 6****Preparation of Grignard reagent.**

Grignard reagent may be made from primary, secondary and tertiary alkyl halide as well as from vinyl halide and aryl halides. Grignard reagent is strong nucleophile and strong bases.

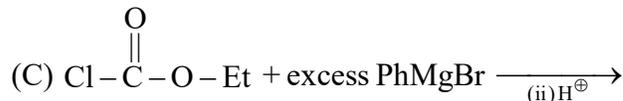
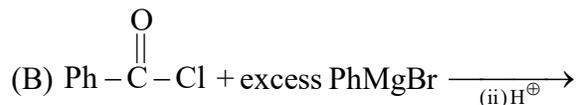
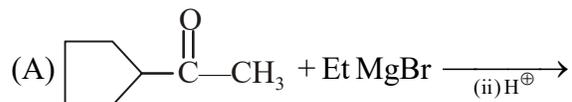


Major product (P).

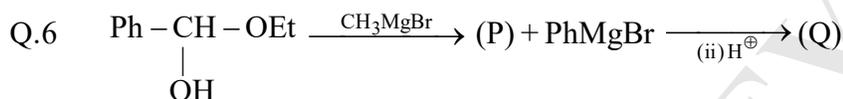


(D) None

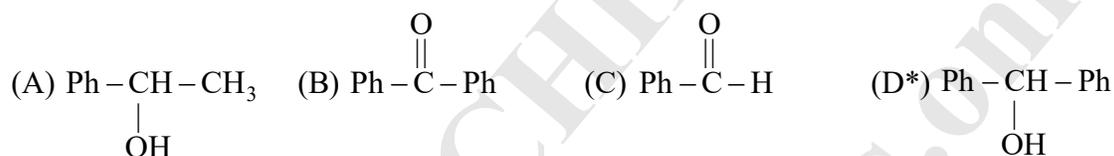
Q.5 In which of following reaction tertiary alcohol will be obtained as a product.



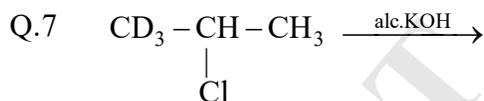
(D*) All



End product (Q) is



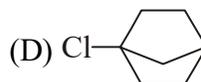
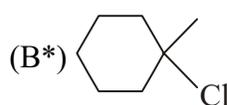
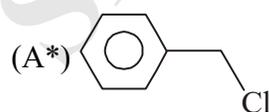
More than one correct :



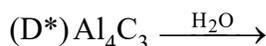
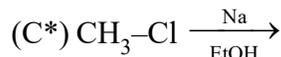
True about above reaction is/are:

- (A*) It is E² elimination
- (B) Saytzeff's alkene is major product in above reaction
- (C*) $CD_3-CH=CH_2$ is major product
- (D*) It is anti elimination

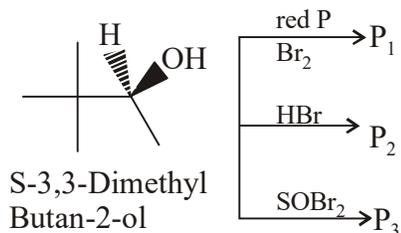
Q.8 Which of the following can give ppt. of AgCl with both aq. AgNO₃ & alc. AgNO₃.



Q.9 Methane will be produced in which of the following reaction:



Q.10 Select correct statement about the products.



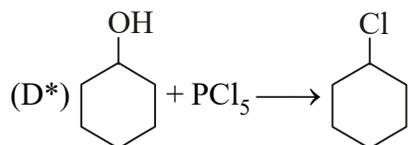
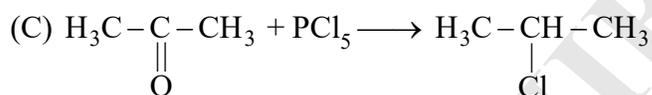
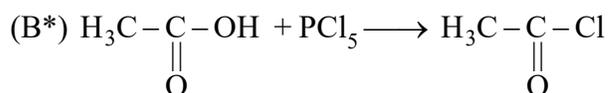
(A) P₁ & P₃ are identical

(B*) P₁ & P₂ are positional isomers

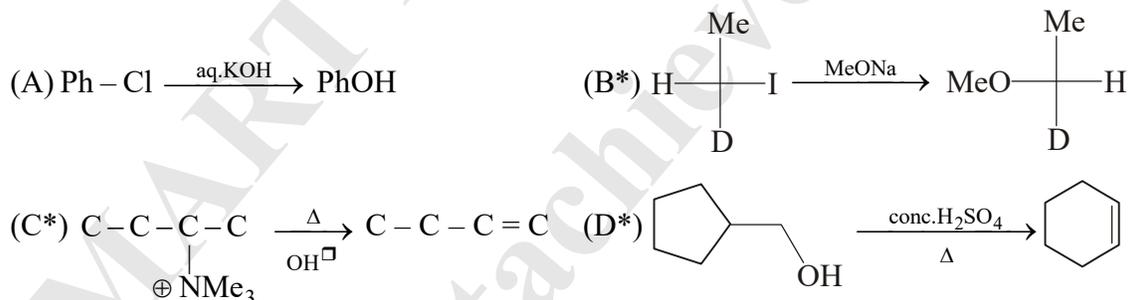
(C*) P₁ & P₃ are enantiomers

(D*) P₂ & P₃ are positional isomers.

Q.11 Which reaction is / are correct. (Only organic products are given)



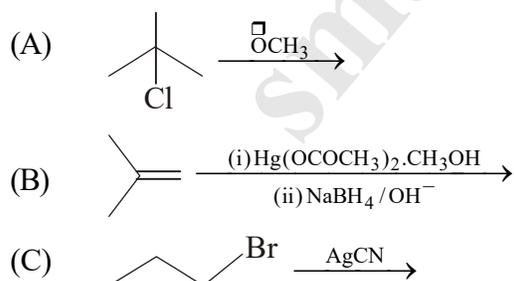
Q.12 In which of the following reaction correct product is given



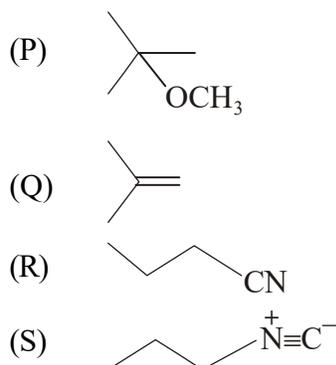
Match the column :

Q.13

**Column I
(Reaction)**



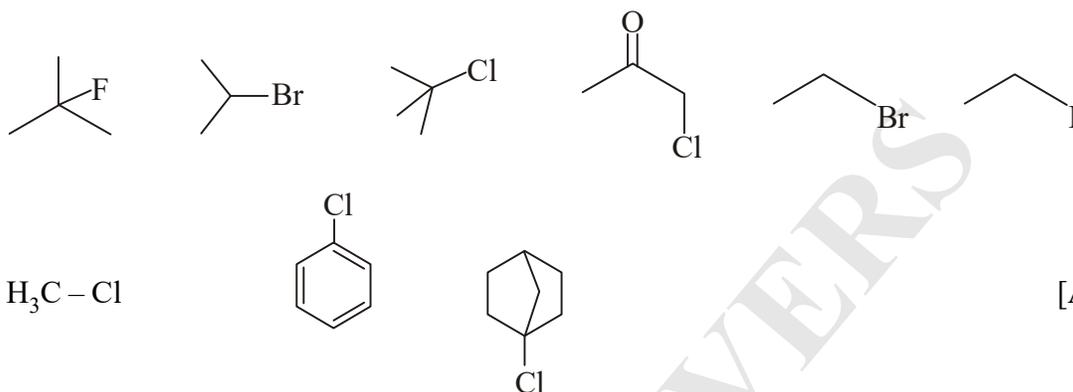
**Column II
(Major product)**



[Ans. (A) Q (B) P (C) S]

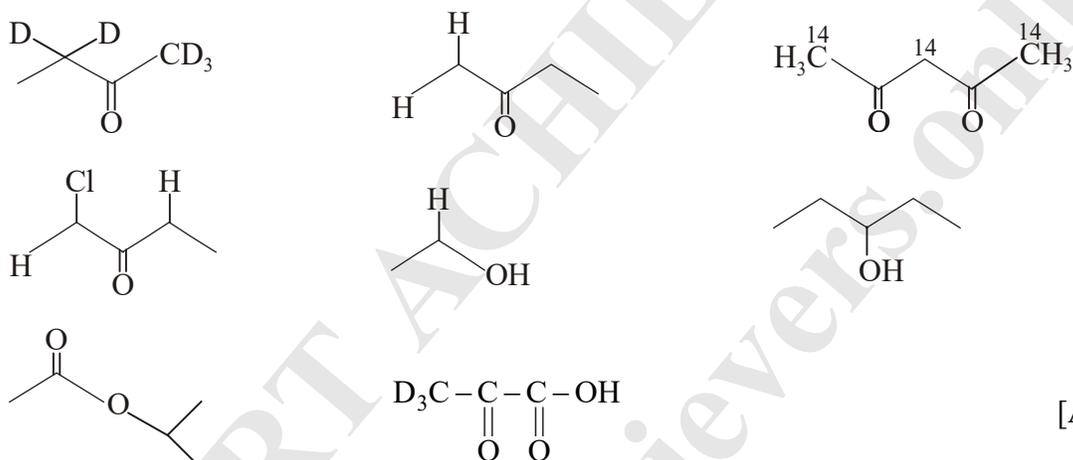
Subjective :

Q.14 Number of compounds which are more reactive than $\text{H}_3\text{C}-\underset{\text{CH}_3}{\text{CH}}-\text{Cl}$ by $\text{S}_{\text{N}}2$ mechanism ?



[Ans. 5]

Q.15 Number of compounds which can show Haloform reaction.

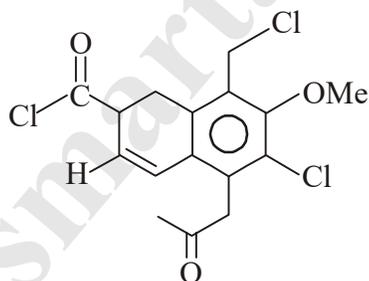


[Ans. 0006]

Q.16 Number of structures of trichloroderivatives of cyclohexane are

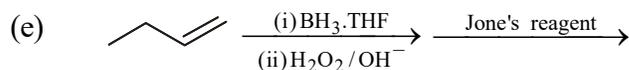
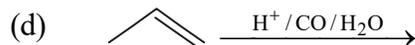
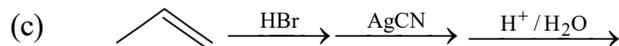
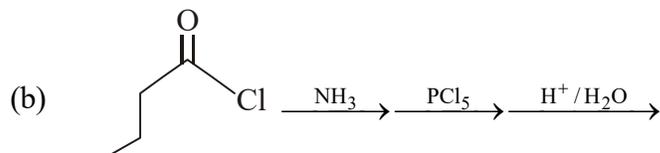
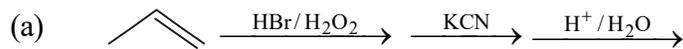
[Ans. 0006]

Q.17 How many moles of Grignard's reagent will be consumed per mole.



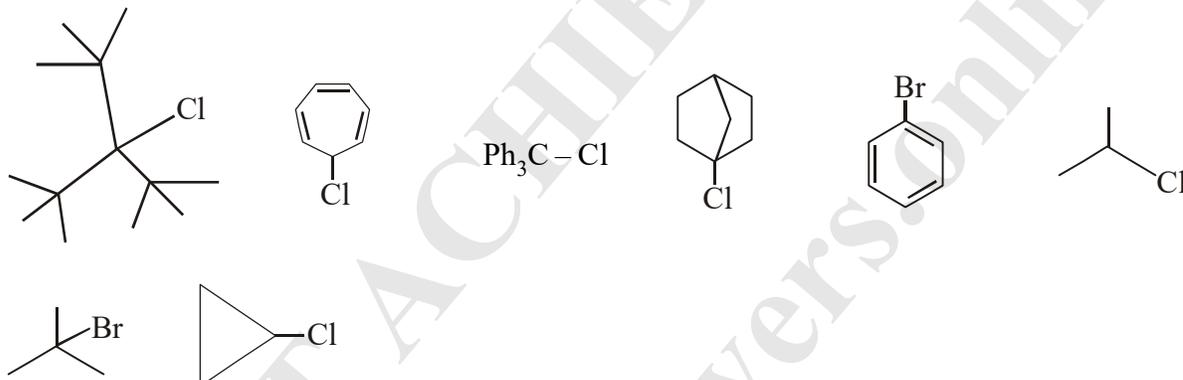
[Ans. 04]

Q.18 Consider following reactions:



Number of reactions which can produce Butyric acid as major product is / are _____. [Ans. 3]

Q.19 Consider following compounds.



Number of compounds in above compound which are more reactive than CC(C)(C)Cl for S_N1 reaction is / are _____. [Ans. 4]