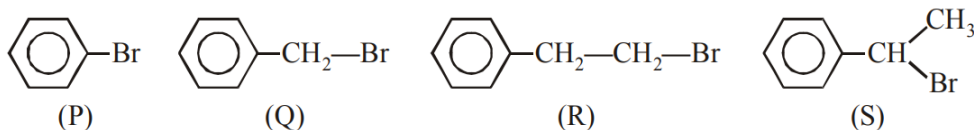


## DPP-06

1. Rate of  $S_N1$  reaction is:

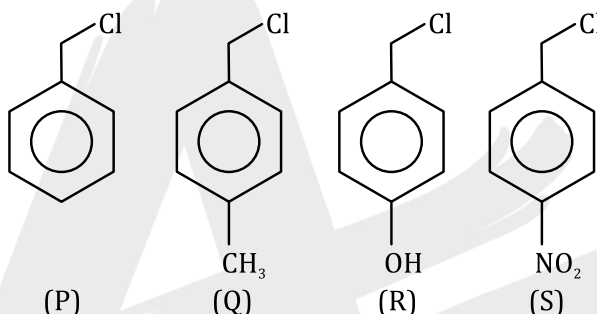


(A)  $S > Q > R > P$     (B)  $S > R > P > Q$     (C)  $P > Q > R > S$     (D)  $S > R > Q > P$

2. Which one of the following statement is correct about  $S_N1$  reaction

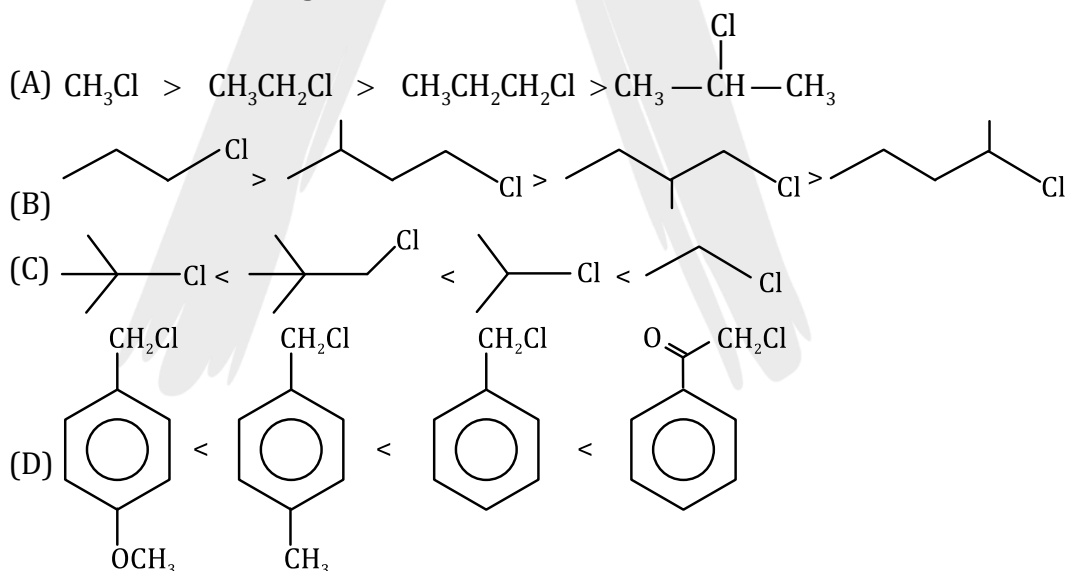
(A) Perfect racemization is observed  
 (B) Only Walden inversion is observed  
 (C) Total retention of configuration is observed  
 (D) Polar protic solvent is preferred

3. Correct order of  $S_N2$  reaction is:

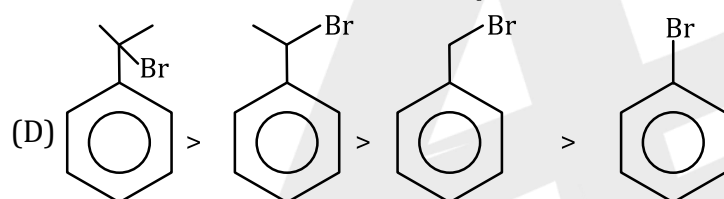
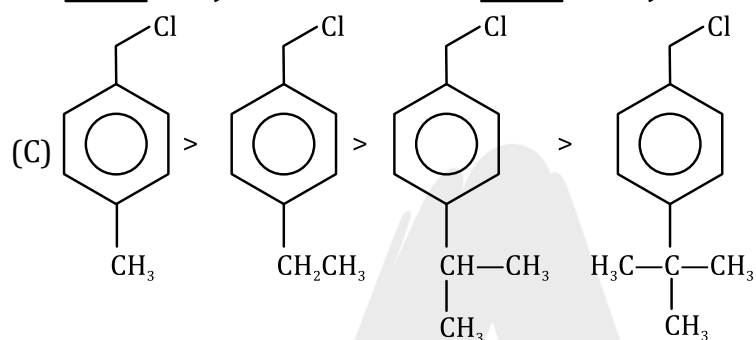
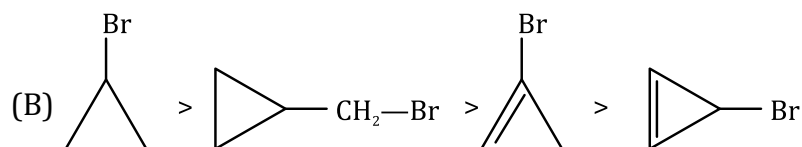
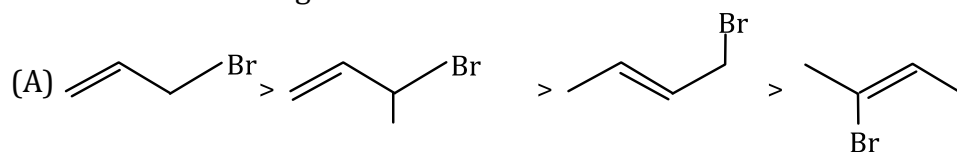


(A)  $S > P > Q > R$     (B)  $R > Q > P > S$     (C)  $Q > R > P > S$     (D)  $S > Q > P > R$

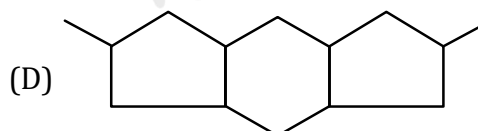
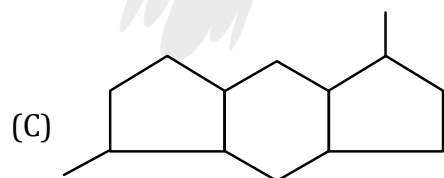
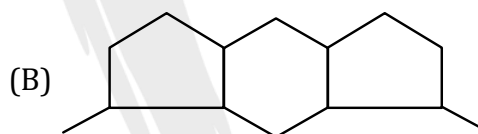
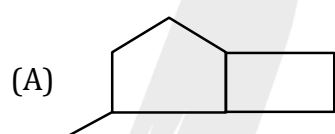
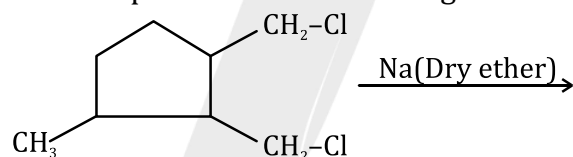
4. Which of the following is correct order towards of  $S_N2$  reaction



5. Which of the following is correct order towards of  $S_N1$  reaction:



6. Possible products formed during the reaction is/are:



$$\begin{array}{c} \text{CH}_3 \\ | \\ \text{Br} - \text{C} - \text{H} \\ | \\ \text{Br} - \text{C} - \text{H} \\ | \\ \text{CH}_3 \end{array} \xrightarrow[\text{Acetone}]{\text{NaI}} \quad$$

- (D) Statement-1 is false, statement-2 is true.

(T) Carbocation is formed as intermediate

(T) Carbanion found as intermediate/product

## ANSWER KEY

- |    |   |    |     |     |  |    |       |
|----|---|----|-----|-----|--|----|-------|
| 1. | (A)   | 2. | (D) | 3.  | (A)                                    | 4. | (ABD) |
| 5. | (CD)  | 6. | (B) | 7.  | (A)                                    | 8. | (A)   |
| 9. | (A)-P, S, Q; (B)-P, S, R; (C)-T, P, Q; (D)-R, |    |     | 10. | (A)-P; (B)-P, Q, R; (C)-S, T; (D)-R, T |    |       |

A