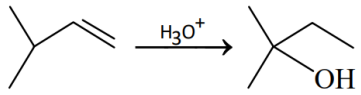
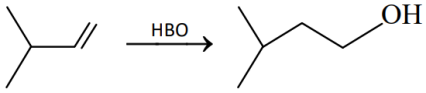
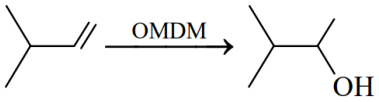
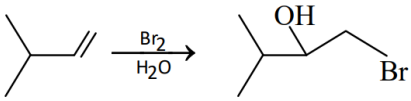
DPP-04

1. The reaction (s) among following correctly matched with major product:

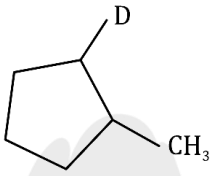
(A) 

(B) 

(C) 

(D) 

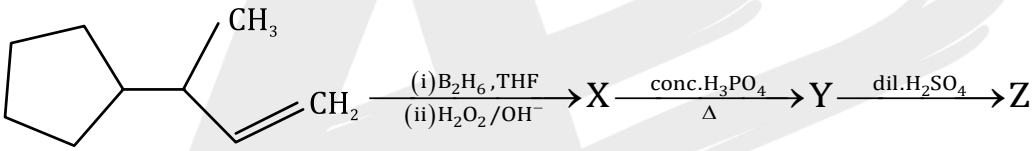
2. 1-Methylcyclopentene can be converted into the given compound by the use of

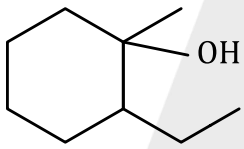


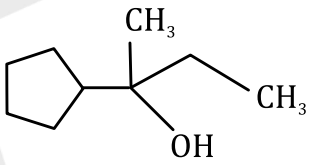
(A) BD_3 followed by HCOOH (B) BH_3 followed HCOOD

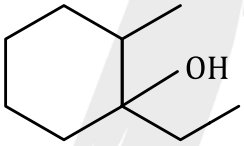
(C) BD_3followed by HCOOD (D) BH_3 followed by CH_3COOD

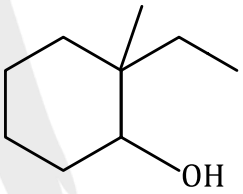
3. Major product (Z) of given reaction is:



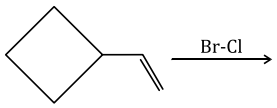
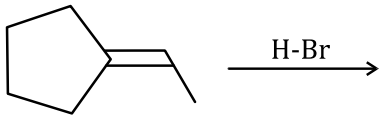
(A) 

(B) 

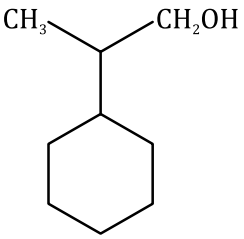
(C) 

(D) 

4. Match the column-I and Column-II

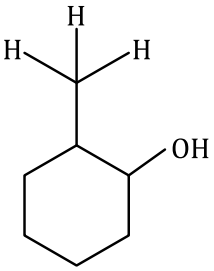
	Column-I (Reaction)	**Column -II**
(A)	$O_2N-CH=CH_2 \xrightarrow{HBr}$	(P) Markonikov Addition
(B)	$Ph-CH=CH_2 \xrightarrow{HBr}$	(Q) Anti-Markonikov Addition
(C)		(R) Reaction intermediate is classical carbocation
(D)		(S) Reaction intermediate Non-classical carbocation
		(T) Rearrangement occur in reaction intermediate

5. **Reaction -1**



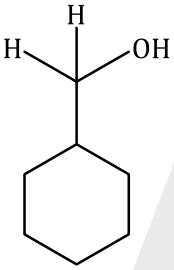
$\xrightarrow[\Delta]{H^+}$ (A) [major]

Reaction-2



$\xrightarrow[\Delta]{H^+}$ (B) [major]

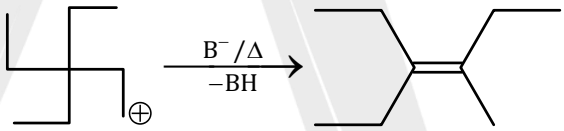
Reaction-3



$\xrightarrow[\Delta]{H^+}$ (C) [major]

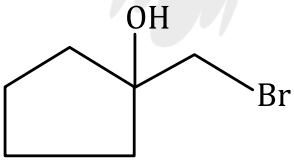
Total number of α- hydrogen present in (product A+ product B+ product C) is.

6. Total number of 1-2-shifts during the conversion of

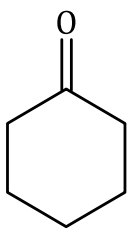


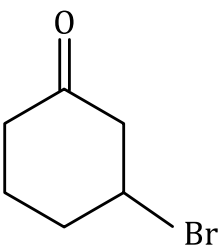
(A) 2 (B) 3 (C) 4 (D) 5

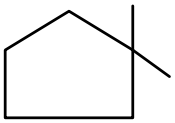
7.

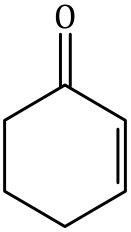


$\xrightarrow[\Delta]{AgNO_3}$ Y' ; 'Y' is:

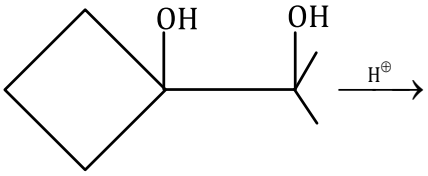
(A) 

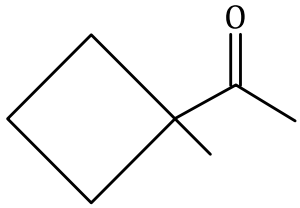
(B) 

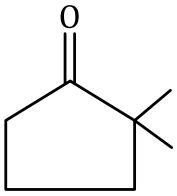
(C) 

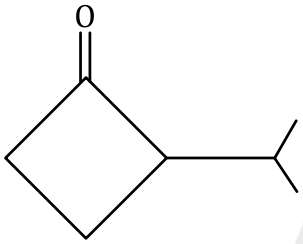
(D) 

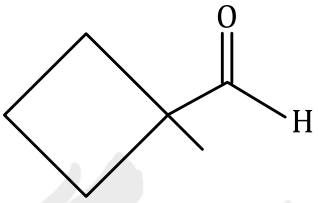
8. Find out major products of following reactions.



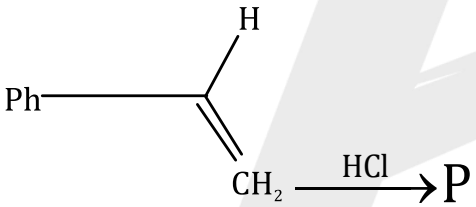
(A) 

(B) 

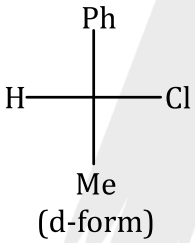
(C) 

(D) 

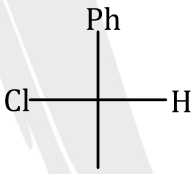
9. Consider the reaction:



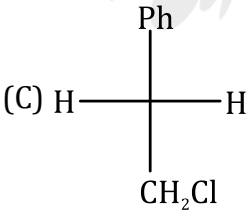
The product is:

(A) 

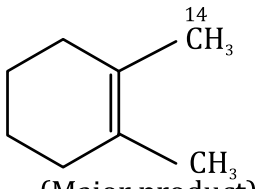
(d-form)

(B) 

(I-form)

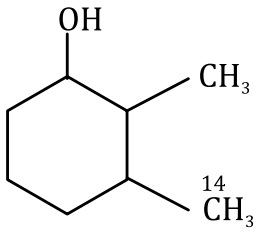
(C) 

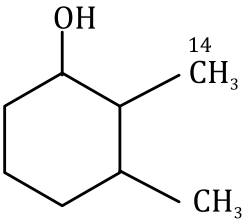
(D) An equi molecular mixutre (A) and (B)

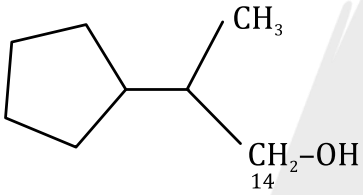
10. (X) Alcohol $\xrightarrow[\Delta]{H^{\oplus}}$ 

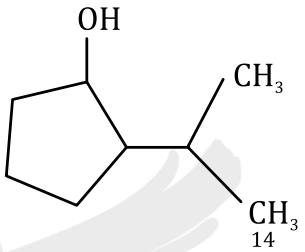
(Major product)

(X) may be

(A) 

(B) 

(C) 

(D) 

ANSWER KEY

1. (ABCD) **2.** (B) **3.** (A) **4.** (A)-Q,R; (B)-P,R; (C)-P,S; (D)-R,P

5. (24) **6.** (B) **7.** (A) **8.** (B) **9.** (D)

10. (ABCD)