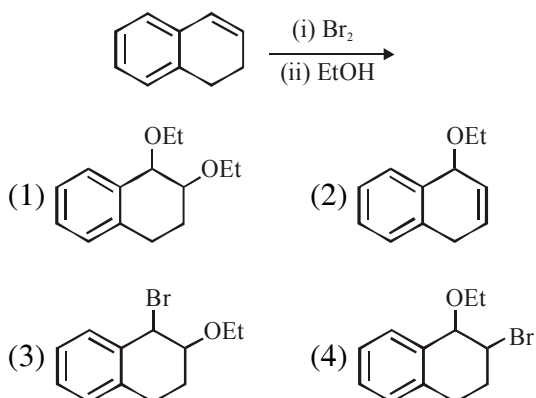
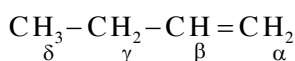


**HYDROCARBON**

1. The major product the following reaction is :



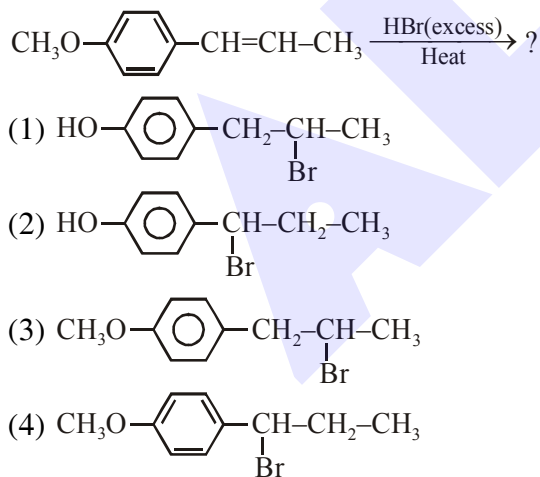
2. Which hydrogen in compound (E) is easily replaceable during bromination reaction in presence of light :



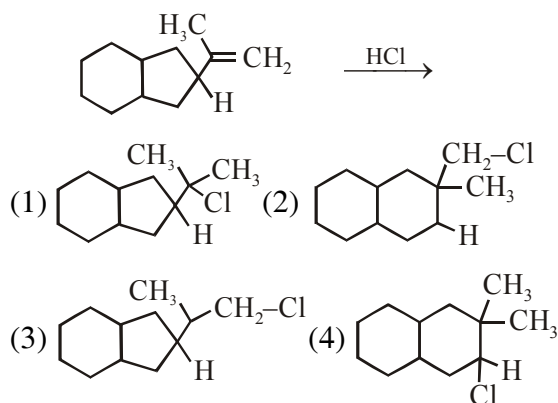
(E)

- (1)  $\beta$  - hydrogen      (2)  $\gamma$  - hydrogen  
 (3)  $\delta$  - hydrogen      (4)  $\alpha$  - hydrogen

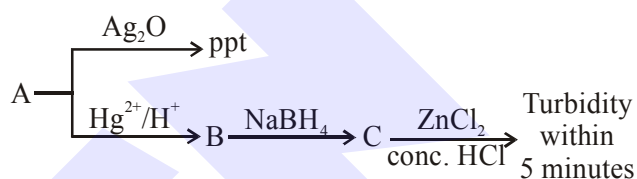
3. The major product in the following conversion is :



4. The major product of the following reaction is:



5. Consider the following reactions :

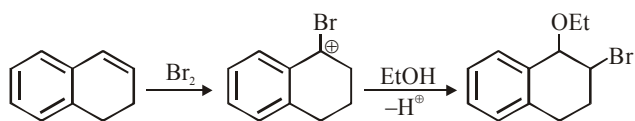


'A' is :

- (1)  $\text{CH}\equiv\text{CH}$       (2)  $\text{CH}_3-\text{C}\equiv\text{CH}$   
 (3)  $\text{CH}_2=\text{CH}_2$       (4)  $\text{CH}_3-\text{C}\equiv\text{C}-\text{CH}_3$

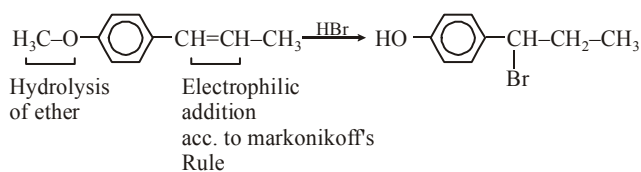
## SOLUTION

1. Ans. (4)

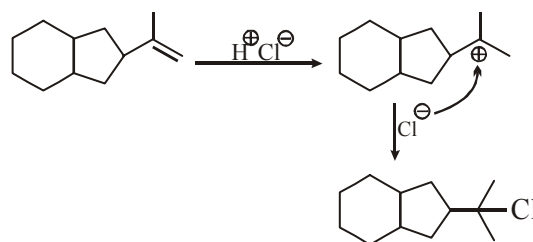


2. Ans. (2)

3. Ans. (2)



4. Ans. (1)



5. Ans. (2)

