

Organic Chemistry Quiz-7: 23-Feb-2023. Time: 15 min

Write your roll number on the top of the page. Generally speaking, space available in this single page is expected to be sufficient; however ask for additional page if needed.

1. (5 points) Tabulate the electrocyclic reactions on basis on the number of  $\pi$ -electrons involved vis-a-vis show the reaction conditions and motion required for bonding.
2. (5 points) 1,2-hydride shift is very common with carbocations, but not with cabanions. Why?
3. (5 points) For the following ring opening, what are the possible products? Why ?

