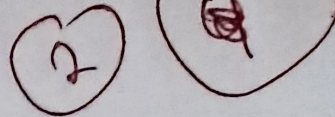


Organic Chemistry Quiz-4: 13-Feb-2023. Time: 15 min



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.

(15 points) In the last class, we discussed important rearrangements involving the migration to electrophilic hetero-atoms. One specific, very important set of examples, involve  $R-N=C=O$  as intermediate species. Write the mechanism for one such example explicitly showing the electron-pushing scheme. Name other such reactions, give one example each (without mechanism).