

School of Basic Sciences

Department of Basic Sciences

Mid Term Examination

Exam Date: 27 Sep 2023

Time : 90 Minutes

Marks : 50

Sem V - C1UB502T - Rearrangements and Chemistry of Group Elements

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Summarize the rearrangement reaction. K2 (2)
- 2) Why is pinacol pinacolone rearrangement important? K1 (3)
- 3) Illustrate the synthesis of polyhalides. K2 (4)
- 4) Explain the mechanism of pinacol pinacolone rearrangement. K2 (6)
- 5) Utilize the salient features of Demjanov rearrangement to an example. K3 (6)
- 6) Apply the concept of rearrangement for the mechanism of Favorskii rearrangement reaction. K3 (9)
- 7) Compare the mechanism of Hofman and Curtius rearrangement reaction. K4 (8)
- 8) Analyze the mechanism of Schmidt rearrangement reaction. K4 (12)

OR

Analyze the Hofman rearrangement reaction and explain its mechanism. K4 (12)