

Third Semester Internal Examination, September 2026
Major Course in Chemistry
Organic Chemistry-I
CHE3CJ202

Time: 1 Hr

Max Marks: 35

Name:	Marks Scored	Section A		Total Marks
Class:		Section B		
		Section C		

Section A

(Each question carries 3 marks, Max marks for section – 7)

1. Define R_f value
2. Draw the sawhorse representation of ethane
3. Define hyperconjugation

Section B

(Each question carries 6 marks, Max marks for section – 18)

4. Which is more stable but -1-ene or but-2-ene? Why?
5. Explain TLC
6. Draw the Newman projections of the conformers of butane
7. Arrange the acids acetic acid, chloroacetic acid, dichloroacetic acid and trichloroacetic acid in the increasing order of their acidities. Justify your answer

Section C

(Answer any one question, Each question carries 10 marks)

8. Describe the various types of distillation techniques.
9. Explain Mesomeric effect with suitable examples