

Department of Chemistry
Raiganj Surendranath Mahavidyalaya
Internal Assessment (Class Test)
SEM-II CHEMISTRY Honours
Paper: DC4 (Organic)
F.M-10, Time-30 Minutes
Date: 22.12.2020

Attempt all

(5 x 2)

1. The rate of substitution reaction of RBr with azide ion increases 10^9 fold on changing the solvent from MeOH to DMSO. Explain why?

2. Elimination reaction is favoured with respect to substitution by rise in temperature. Explain with example.

3. Why α -truxillic acid can't rotate the plane of PPL light although it contains chiral carbon atoms?

4. Show the keto enol tautomerism of cyclopentane dione and $(\text{Me}_3\text{CO})_3\text{CH}$. In which form they are more stable.

5. Draw +sp and -ac conformation of n-butane.