

Internal Assessment 2022

3rd Semester Examination

Chemistry [Honours]

Course Code : CHEMHT 7

Full Marks : 10

Answer any five questions from the following : [2X5 =10]

1. Primary alcohols can't be satisfactorily oxidized to aldehydes by Oppenauer oxidation. Explain.
2. Use of Magnesium instead of Zinc is not recommended for Reformatsky reaction. Explain.
3. How can you convert propyne to propanal?
4. Treatment of p-bromophenol with sodamide in liquid ammonia at -33°C furnishes p-aminophenol. Explain with mechanism.
5. Ozonization of 2,3 -dimethyl -2butene in presence of formaldehyde gives the ozonide of isobutene as one of the products. Explain.
6. Lead tetra acetate oxidation of dl-2,3 butanediol occurs faster than that of the meso-isomer. Explain.
7. State with mechanism, what happens when di isopropyl ketone is treated with t-butyl magnesium bromide.
8. Why α,β - unsaturated carbonyl compounds can not be epoxidised by per-acids?