

**MID-TERM**

1. Nitration of benzene or phenol by conventional method using HNO3 and H2SO4
2. Nitration of phenol and salicylic acid by green method using NaNO3
3. Preparation of aniline by reduction of nitrobenzene
4. Green synthesis of acetanalide from aniline and glacial acetic acid
5. Sulphonation of aniline using fuming sulphuric acid (oleum).
6. Pericyclic Reaction-Diel’s Alder Reaction: Condensation of furan and maleic acid

**FINAL TERM**

1. Aldol Condensation: Green Synthesis of dibenzalpropanone from benzaldehyde and acetone
2. Synthesis of benzoin from benzaldehyde (oxidation reaction)
3. Synthesis of benzil from benzoin (oxidation reaction)
4. Synthesis of benzilic acid from benzil: Rearranagement reaction
5. Cannizzaro reaction: Synthesis of benzoic acid and benzyl alcohol from benzaldehyde

**Note:-** This folder contains various files, including a short note of introduction fo Green Chemistry. One files comprises green chemistry based experiments (practicals), just prepare only those mentioned in the above syllabus/outline. Two files are of cannizzaro reaction, both are inluded in the course contents.