

## Topics for Organic Chemistry II

### (First level Pharm D-Clinical)

1. Different methods for reduction of aldehydes and ketones.
2. Carbon-Carbon coupling reactions.
3. Applications of Grignard reagents.
4. Reactions of aldehydes and ketones.
5. Catalytic hydrogenation.
6. Carboxylic acid derivatives.
7. Peptide Coupling Reagents and their applications.
8. Applications of substitution and elimination reactions in the organic synthesis.
9. Recent advances in the application of Claisen condensation
10. Application of Suzuki reaction in organic synthesis
11. Drug isomerism and its significance
12. Applications of different Addition Reactions in Organic Synthesis
13. Applications of Friedel–Crafts reactions in synthesis of some approved drugs
14. Application of Williamson ether synthesis to prepare different antiviral drugs.