

# 2010 Scheme

QP CODE: 102006

Reg. No: .....

## First Year B. Pharm Degree Supplementary Examinations June 2023 Pharmaceutical Chemistry - II

### (Organic Chemistry)

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Write equations wherever necessary.

#### Essay

(3x10=30)

1. Explain Markovnikov's rule and Bayers Oxidation.
2. Classify amines with examples and Explain the basicity of amines.
3. Explain Perkin reaction and Reformatsky reaction with mechanism.

#### Short notes

(14x5=70)

4. Discuss the different shapes of organic molecules.
5. Explain Sachse- Mohr theory.
6. Discuss the stability of alkadienes.
7. Acidity of Nitro compounds.
8. Explain the nomenclature of carboxylic acids.
9. Write any two methods of preparation of carbonyl compounds.
10. Explain the acidity of phenols.
11. Williamson synthesis.
12. Reimer –Tiemann reaction.
13. Write any two general methods of preparation of alcohols.
14. Walden inversion.
15. Discuss the reactivity of halo benzenes towards nucleophilic substitution reaction.
16. Discuss the molecular orbital picture of benzene.
17. Describe Malonic esters and importance in synthesis.

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