

2010 Scheme

QP CODE: 201006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations January 2025

Pharmaceutical Chemistry III (Advanced 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**
- **Draw table/diagrams/flow charts wherever necessary**

Essay

(3x10=30)

1. Describe the methods adopted for carrying out resolution of racemic modification.
Explain the methods in detail
2. Outline any two synthesis and chemical reactions of pyrazole.
3. Describe about Birch reduction and Meerwin-Pondroff reduction with mechanism

Short notes

(14x5=70)

4. Explain Asymmetric synthesis with examples.
5. Write a note on geometrical isomerism with examples..
6. Write about the stereochemistry of Biphenyl compounds.
7. Explain the mechanism of Clemmenson's Reduction.
8. Explain the Darzen's reaction with mechanism.
9. Write a note on Michael addition reaction.
10. Write any three reactions of Indole.
11. Write any two method of preparation of Phenothiazine.
12. Write any two methods of preparations of isoxazole.
13. Explain the electrophilic substitution reaction of anthracene.
14. Write a note on oxidation reactions of phenanthrene.
15. Write about nomenclature of polynuclear aromatic compounds.
16. Write any two reduction reactions of naphthalene
17. Write any two synthesis of acridine.
