

QP CODE: 305326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
October 2025**

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- *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 Diagrams wherever necessary.*

Essays

(3x10=30)

1. Briefly explain the physicochemical properties involved in QSAR study.
2. Classify diuretics chemically. Write the synthesis and mechanism of action any three diuretic drugs.
3. What are antibiotics. Write the chemistry, mechanism of action and SAR of antibiotics.

Short notes

(8x5=40)

4. What is prodrug. Write the types of prodrugs with examples.
5. Write about the life cycle of malaria parasite
6. Write note on sulphonyl urea derivatives.
7. Write a note on steroidal estrogens and non steroidal estrogens
8. Write the structure and uses of any two diagnostic agents.
9. Write a note on Anti-scabies and Anti-pedicular agents.
10. Write the synthesis and uses of any two anthelmintic agents.
11. Write the classifications of coagulants and anticoagulants drugs with their structures.
