

QP CODE: 305326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
January 2020**

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Discuss the chemistry, mechanism of action, SAR and synthesis of chloramphenicol.
2. Classify sulphonamides chemically and pharmacologically. Describe the SAR of sulphonamides. Add a note on synthesis of silver sulpha diazine and sulpha acetamide sodium
3. Classify diuretics with their structures. Explain the mechanism of action and SAR of loop of Henle diuretics. Add a note on the synthesis of furosemide.

Short notes

(8x5=40)

4. Steric parameters involved in QSAR
5. Synthetic testosterone derivatives
6. Synthesis of chloroquine phosphate and prima quine Hcl
7. Synthesis of methyl thiouracil and propyl thiouracil
8. Anti AIDS agents
9. Diagnostic agents for kidney function tests
10. Molecular mechanics
11. Azole anti-fungal agents.
