

QP CODE: 305326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
January 2019**

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Describe the various electronic parameters involved in QSAR study
2. Describe the mechanism of action, SAR of biguanides and the synthesis of phenformin Hcl.
3. Mention the classification of antibiotics and explain in detail the chemistry of penicillin with mechanism of action and add a note on degradation of penicillin.

Short notes

(8x5=40)

4. Prodrug concept and its applications
5. Classify 1st line and 2nd line anti tubercular agents with its structures
6. Mechanism of action, toxicity and uses of sulphonamides
7. Angiotensin converting enzyme inhibitors and aldosterone inhibitors as antihypertensive agents
8. SAR of thiazide diuretics
9. Chemistry and synthesis of any one antifungal agent
10. Anti-thyroid hormones
11. Steroidal hormones
