

QP CODE: 305326

Reg. No:

Third Year Pharm D Degree Examinations – July 2016

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain the medicinal chemistry aspects of diuretics with emphasis to classification and mechanism of action of each class. Add a note on the synthesis of furosemide
2. What are hypoglycemic agents and classify it with structures. Briefly discuss the mechanism of action and synthesis of any one type of oral hypoglycemic agents.
3. Enumerate various approaches utilized in computer aided drug design.

Short notes

(8x5=40)

4. Life cycle of malarial parasite.
5. Solid phase synthesis in combinatorial chemical library synthesis
6. Antimetabolites used in anticancer therapy.
7. Classify semisynthetic penicillins with structures.
8. Describe the mechanism of action of • polyene antifungals • allylamine antifungals.
9. Structure and uses of atrovastatin and clonidine.
10. SAR of angiotensin –II antagonist.
11. Anti scabies and anti pedicular agents
