

QP CODE:305326

Reg.No:

Third Year Pharm D Degree Supplementary Examinations –

November 2015

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. What is meant by amoebiasis. Outline the synthesis of metronidazole and mebendazole
2. What are anti malarials and classify it with structures. Describe the synthesis of pyrimethamine and primaquine
3. What are β lactam antibiotics. How will you classify cephalosporin according to route of administration. Add a note on the synthesis of cefalexin.

Short notes

(8x5=40)

4. What are alkylating agents and outline the synthesis of cyclophosphamide.
5. Explain the synthesis of amlodipine.
6. What are vasodilators and describe the synthesis of hydralazine.
7. Explain the chemistry of cardiac glycosides.
8. The chemistry of 1, 4 dihydro pyridines as anti anginal agents
9. What are anti coagulants and outline the synthesis of dicoumarol.
10. What are biguanides and describe the synthesis of metformin
11. What are carbonic anhydrase inhibitors and explain the synthesis of acetazolamide
