

Third Year Pharm D Degree Examinations - July 2015

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Define and classify anti viral drugs with suitable examples. Outline the synthesis of methisazone and acyclovir.
2. Classify anti fungal agents according to chemical structure and also by mechanism of action with suitable examples. Describe the synthesis of any two of them
3. What are pro drugs. Enumerate the ideal requirements of pro drugs. Discuss briefly the types of pro drugs with suitable examples.

Short notes

(8x5=40)

4. Explain the role of organic dyes as anti infective agents including its synthesis
5. What are β adrenergic blocking agents. Outline the synthesis of propranolol.
6. Describe the chemistry of second line agents of anti tubercular drugs.
7. Outline the synthesis of diloxanide furoate.
8. Describe briefly the synthesis of albendazole.
9. How will you classify the sulphonamides on the basis of chemical structures and mention mechanism of action with suitable examples.
10. Explain the synthesis of chloquine.
11. What are Beta lactam antibiotics and mention examples. Explain the chemistry of penicillin
