

Final Year B.Pharm Degree Examinations - September 2014

PHARMACEUTICAL CHEMISTRY - V
(Medicinal Chemistry)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw chemical structure wherever necessary.

Essay

(3x10=30)

1. Classify antimalarials giving suitable examples for each category. Outline the synthesis and specific uses of chloroquine.
2. What are antihistamines. Discuss them with examples. Outline the synthesis , of diphenhydramine and cyclizine.
3. Define non-steroidal anti inflammatory agents. Enumerate them with examples. Explain the synthesis and mechanism of action of piroxicam.

Short notes

(14x5=70)

4. Sulphonamides.
5. Name the adrenergic agents and write the synthesis of salbutamol.
6. Narcotic analgesics.
7. Classify oral hypoglycemic agents. Explain the synthesis and mechanism of action of tolbutamide .
8. Define anthelmintics. Explain the chemical structure and clinical uses of DEC and mebendazole.
9. Chemistry of fluroquinolone antibiotics.
10. Proton pump inhibitors.
11. Anti hyperlipidemic agents.
12. Outline the synthesis and uses of sodium valproate.
13. SAR of phenothiazine derivatives as antipsychotics.
14. Synthesis and uses of diazepam
15. How does chelation affect biological activity. Explain with example.
16. Classify local anaesthetics with examples. Mention the structure and uses of procaine and dibucaine
17. QSAR
