

2012 scheme

QP CODE:411006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations July 2021

Pharmaceutical Chemistry - V

(Medicinal Chemistry)

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space**
- Answer all parts of a single question together • Leave sufficient space between answers**
- Draw Diagrams wherever necessary.**

Essays

(3x10=30)

1. Define and classify anti-hypertensive agents with examples. Explain the mechanism of ACE inhibitors. Outline the synthesis of methyl dopa.
2. What are anti-pyretics. Write the mechanism of action and SAR of morphine analogues.
3. What are antibiotics. Classify them with suitable examples. Write the Structural Activity Relationship (SAR) of tetracyclines.

Short Notes:

(14x5=70)

4. Write the structure and uses of acyclovir and chloroquine.
5. Classify anti-tubercular agents. Write the synthesis of para-aminosalicylic acid (PAS).
6. Explain on chelation.
7. Explain the synthesis and mechanism of action of methotrexate.
8. Write the structural activity relationship (SAR) of benzodiazepines.
9. Classify anti-convulsants. Write the synthesis of sodium valproate.
10. Explain on molecular modelling in drug design.
11. Classify anti-hyperlipidemic agents and draw the structure of any four of them.
12. Classify cholinergic antagonists and explain the SAR.
13. Write the synthesis of salbutamol and propranolol.
14. Explain anti-thyroid drugs.
15. Classify diuretics with examples. Draw the structures of acetazolamide and triamterene.
16. Explain on anthelmintics with examples.
17. Explain about macrolide antibiotics.
