

2012 scheme

QP CODE:411006

Reg. No:

**Final Year B.Pharm Degree Regular/Supplementary Examinations
April (November), 2020
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

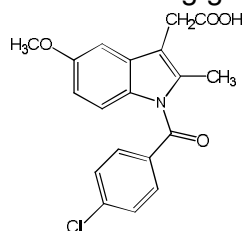
(3x10=30)

1. Explain briefly about various physicochemical properties of drugs. Discuss the chemistry of penicillins.
2. Give the synthesis of any one drug belonging to the class of sulfonamide antibacterial, dihydrofolate reductase antineoplastic agent. Discuss the SAR of tetracyclines.
3. Discuss the chemistry of fluoroquinolones. Explain in detail about QSAR

Short Notes:

(14x5=70)

4. Synthesis and mechanism of action of tolbutamide.
5. The chemistry, mechanism of action and uses of proton pump inhibitors.
6. Classify antidepressants giving one example from each class with structure and mention their uses.
7. Give the name, synthesis and uses of the drug given below.



8. Structural features of butyrophenones used as antipsychotics.
9. Give the synthesis and mechanism of action of one drug belonging to the class of antipyretics.
10. SAR of adrenergic drugs.
11. Explain any two antihyperlipidemic agents.
12. Synthesis and mechanism of furosemide and diphenhydramine
13. Classify anthelmintics with example. Give the synthesis of chloroquine.
14. The synthesis and use of PAS and tolinaftate
15. Give the uses of chlorhexidine, saquinavir, pethidine, diclofenac, carbimazole and metformin
16. The therapeutic uses of diuretics and local anesthetic agents.
17. Chemistry and uses of cholinergic drugs.
