

QP CODE: 113331

Reg. No:.....

First Semester M.pharm Degree Examinations March 2019

M.Pharm (Pharmaceutical Chemistry)

Paper III – Advanced Medicinal Chemistry (MPC 103T)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Describe the various theories of drug-receptor interactions
2. Explain the design of prodrug for the various purposes by taking an example for each purpose.
3. Discuss the SAR and mechanism of action of anti-hypertensive drugs.

Short Notes

(9x5=45)

4. What are the causes of drug resistance
5. What is analog design. Explain with an example.
6. Mechanism of action of COX 1 and COX 2 inhibitors
7. What are the therapeutic values of peptidomimetics
8. Describe the principles of enzyme inhibitors
9. Discuss the chemistry of prostaglandins
10. What is the role of chirality in drug action. Explain with an example
11. Describe the enantioselectivity in drug absorption with an example
12. Give the synthesis and mechanism of action of any one antiviral agent.
