

QP Code: 105331

Reg No:

First Year M.Pharm Degree Examinations – July 2015

(Pharmaceutical Chemistry)

Paper I – Advanced Medicinal Chemistry

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays: (2x20 =40)

1. Discuss in detail about applications of SAR and QSAR in drug design.
2. What are anti-hypertensive agents. Classify them by giving examples with structure and M.O.A. Explain the synthesis of any one of them.

Short Essays: (6x10=60)

3. Explain the rational methods used for drug design
4. Discuss the general approaches and applications of bioinformatics and cheminformatics in drug design.
5. What is bioisosterism and how is it useful in lead optimization.
6. Explain anti-hyperlipidemic agents.
7. Discuss the factors influencing the drug-receptor interactions.
8. Explain antiviral agents.
