

QP Code: 105331

Reg No:

First Year M.Pharm Degree Supplementary Examinations– March 2014
(2011 Scheme)

(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 the various methods of molecular docking. Add a note on denovo design
2. Classify anti neoplastic drugs. Mention the mechanism of action of one drug from each class. Outline the synthesis of any two anti neoplastic agents

Short Essays: (6X10=60)

3. Discuss the chemistry of prostaglandins
4. Enumerate the radio protective agents and explain its importance
5. Classify and explain the mechanism of action and uses of : • anti –hyperlipidemic drugs and • anti- HIV agents
6. Discuss the rational approaches to lead discovery in drug design
7. Explain the use of bioinformatics and cheminformatics in drug design
8. Discuss the role of the following QSAR studies in drug design : • Hemmett and Taft equation • Free Wilson analysis
