

QP Code: 105331

Reg No: .....

First Year M.Pharm Degree Examinations August 2016

(Pharmaceutical Chemistry)

Paper I – Advanced Medicinal Chemistry

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Elaborate the various parameters taken into consideration for the various methods used in QSAR. Discuss its advantages and disadvantages
2. What are radio sensitizers and radio protective agents. Explain the chemistry and synthesis of any two drugs.

Short Essays:

(6x10=60)

3. Explain structure based drug design
4. Explain rigid docking and flexible docking in molecular modeling
5. Explain the role of gene therapy in cancer
6. What are immune-stimulant agents and classify it with structures. Outline the synthesis of any one.
7. What are anti viral agents. Outline the synthesis of idoxuridine and acyclovir
8. Explain the recent advances in the development of drugs used for the treatment of peptic ulcer

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