

QP Code: 105331

Reg No:

**First Year M.Pharm Degree Examinations– September 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. How can be the drug- receptor theories helpful for drug design - Discuss in detail. Add a note on receptor mapping and molecular modeling.
2. Enumerate the different classes/types of drugs used in gastro intestinal diseases. Classify the drugs acting on H₂ receptor with examples and mechanism of action. Mention the synthesis of any one H₂ receptor antagonist.

Short Essays: (6x10=60)

3. Explain applications of SAR in drug design.
4. What is combinatorial chemistry. Add a note on methods of parallel and mixed combinatorial synthesis.
5. Radio sensitizers and radio protective agents.
6. Explain anti Parkinsonism agents.
7. Discuss the conventional methods used for drug design.
8. Explain genomics and proteomics.
