

QP Code: 3281

Reg No:

M Pharm Part I Degree Examinations – June 2012
(Pharmacology)

Paper I - Pharmacological Screening Methods & Clinical Evaluation

Time: 3 hrs

Maximum Marks: 100

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

Essays: **(2x20 =40)**

1. Explain the various designs employed in bioassays and discuss the procedure involved in bioassay of heparin sodium and rabies vaccine .
2. Discuss the pharmacological experimental models employed in the screening of new drugs belonging to the following categories: • Cardiotoxic drugs • Antipsychotics

Short Essays: **(6x10=60)**

3. Explain the principle and applications of patch clamp technique .
4. Explain various chronic toxicity studies employed during preclinical drug evaluation.
5. Discuss the use of transgenic animal models in the development of new drugs with suitable examples.
6. Explain the concept of variables and confounding factors in research process.
7. Explain any one experimental model to induce acute inflammation and chronic inflammation.
8. Explain patent and trademarks in detail.
