

QP Code: 105328

Reg No:

First Year M.Pharm Degree Examinations - February 2013

(2011 Admn- New Scheme)

(Pharmacology)

Paper 1- Pharmacological Screening Methods & Drug Development

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Describe general principles and techniques involved in radio ligand binding assays
2. Discuss with models how the following categories of drugs are pharmacologically evaluated • Anti-angina! drugs • Anti-anxiety agents

Short Essays:

(6x10=60)

3. Discuss about basic concepts and applications of bio-informatics and proteomics in drug discovery
4. Explain the ethical and legal aspects of clinical trials. Add a note on various guideline related to clinical trials
5. Explain the propagation and preservation of cell lines
6. Outline the principles and techniques involved in evaluation of kinetics of new drugs
7. Discuss about the following : • Experimental design in clinical trials • Guinea pig as an experimental animal
8. Discuss about the following : • Patch clamp technique • Biochemical estimation for free radical scavengers
