

QP Code: 105328

Reg No:

First Year M.Pharm Degree Examinations – July 2015

(Pharmacology)

Paper I – Pharmacological Screening Methods & Drug Development

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Discuss in detail various models to screen anti diabetic activity of the new drug
2. State the principle, factors affecting and applications of radio-ligand assay. How benzodiazepine receptors are quantified by radio-ligand assay.

Short Essays :

(6x10=60)

3. Explain bioinformatics.
4. Mention the principle and limitations of bioassay. Explain heparin bioassay.
5. Explain in detail the different methods of screening of antibiotics.
6. What are bioequivalence studies and add a note on cross over design method.
7. Explain linear regression and correlation studies
8. Explain ANDA filing.
