

QP Code: 105328

Reg No:

First Year M.Pharm Degree Examinations August 2016

(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. Explain the layout and facilities required for an animal house as per CPCSEA guidelines with neat diagram.
2. Discuss in detail the various models and parameters to be measured to screen anti ulcer activity of the new drug

Short Essays :

(6x10=60)

3. How toxicity studies are carried out as per OECD guidelines.
4. Explain methods to screen hepato-protective drugs.
5. What is pharmacometrics. Explain the importance of pharmacokinetic parameters in new drug discovery.
6. Explain lead selection and lead optimization
7. Name the equipments required to run a cell culture lab. Explain the principle and functions of laminar air flow.
8. How anti depressant drugs are screened.
