First Year M.Pharm Degree Supplementary Examinations Novemebr 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 about various models employed for the screening of the following activities (in-vivo & in-vitro models) ● Anti epileptics ● Anti arrythmics

2. Explain various aspects of toxicity studies of a new drug molecule. Add a note on various guidelines governing use of experimental evaluation of drug toxicity on animals

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

3. Briefly describe on high throughput screening, leed selection and leed optimization

4. Discuss about Chi Squre test. Good cell banking practice

5. Explain in detail about bio availability study models

6. Explain the role of bioinformatics and proteomics in drug discovery

7. Briefly describe Bioassay of heparin sodium Limitations of animal testing

8. Explain briefly: ● Different methods for screening of antimicrobial activity

                               ● Nonparametric tests

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