

# 2012 Scheme

QP Code: 105328

Reg. No: .....

## First Year M.Pharm Degree Supplementary Examinations December 2019

### (Pharmacology)

#### Paper I – Pharmacological Screening Methods & Drug Development

Time: 3 hrs

Max. Marks: 100

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

#### Essays:

(2x20=40)

1. Explain the different methods available for screening of analgesics and antiepileptic.
2. Explain the principles and techniques of bio assays, radio-ligand binding assay and ELISA. Add a note on bio assay of heparin sodium

#### Short Essays:

(6x10=60)

3. Explain various methods available for screening hypoglycemic agents
4. Explain the importance of lead selection and optimization in drug discovery.
5. Discuss the principle and procedure for two compartment model for bioavailability determination.
6. Discuss the different methods available to test hypoglycemics.
7. Explain the scope of cell culture and cell line technique
8. Explain
  - Standard deviation
  - Chi – square test.

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