

**QP Code: 105328**

**Reg No: .....**

**First Year M.Pharm Degree Examinations – September 2013  
(2011 Scheme)**

**(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 in vivo screening methods to screen drugs having:
  - Anti parkinsonian activity
  - Memory enhancing property
2. Explain in detail the various stages, protocols followed in clinical trials. Discuss the composition of institutional human ethical committee as per ICMR guidelines

**Short Essays :**

**(6x10=60)**

3. Explain euthanasia and breeding protocols
4. Explain methods to test mutagenic property of a drug
5. Explain randomization and data collection
6. Discuss high through put screening and proteomics
7. What are the haematological and biochemical parameters to be studied in toxicity studies.
8. Discuss the composition and functions of institutional animal ethical committee

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