

QP Code: 105328

Reg. No:

**First Year M.Pharm Degree Supplementary Examinations
May 2019**

(Pharmacology)

**Paper I – Pharmacological Screening Methods & Drug Development
(2012 Scheme)**

Time: 3 hrs

Max. Marks: 100

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

Essays:

(2x20=40)

1. Write elaborately on toxicity evaluations as per Organization for Economic Cooperation and Development (OECD) guidelines.
2. Discuss any two methods to screen the therapeutic activity of the following:
 - Antidiabetic agents
 - Anticancer agents

Short Essays:

(6x10=60)

3. Discuss the principles, procedure and applications of ELISA.
4. Describe the principal involved in the screening of analgesic agents by Eddy's hot plate.
5. Define euthanasia. Discuss various techniques employed in euthanasia.
6. Write briefly on human genome sequence on the discovery process of new drug.
7. Define bioassay and describe briefly on four-point bioassay with suitable example.
8. Discuss the applications of paired 't' test and Chi square test in research methodology.
