

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LQ 0121]

JANUARY 2021

Sub. Code: 2983

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-I (PCI New regulations 2016)

PHARMACOLOGY – MPL

PAPER III – PHARMACOLOGICAL AND TOXICOLOGICAL

SCREENING METHODS - I

Q.P. Code : 262983

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. List out the methods available for Induction of Diabetes experimentally. How is streptozotocin used to induce Type-I and Type-II diabetes in the screening of Anti-Diabetic agents.
2. List out the screening models for Parkinsonism and explain MPTP model in detail.

II. Write notes on:

(7 x 5 = 35)

1. General principles of Immunoassay agents.
2. Cotton wool granuloma pouch method.
3. Write any two *invivo* screening methods for anti-emetic drugs.
4. Write any two *invivo* screening methods for anti-depressant drugs.
5. Write important screening methods for anti-diarrheal drugs.
6. Write important screening methods for anxiolytic drugs.
7. Maintenance and breeding of laboratory animals.
