

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

[MPHARM 0921]

**SEPTEMBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 2983

**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. What are the guidelines of CPCSEA to be followed in maintenance, breeding and conduct of experimentation on experimental animals?
2. Discuss the various methods employed in the screening of centrally acting and peripherally acting analgesics.

II. Write notes on:

(7 x 5 = 35)

1. Transgenic animals in research.
2. Write the principles and methods of bioassay.
3. Write briefly about *in-vivo* screening models of anti-dyslipidemic agents.
4. Discuss about chemically induced models of Parkinsonism.
5. Explain Lipschitz test.
6. Explain cotton wool granuloma pouch method.
7. Limitations of animal experimentation and alternatives to animals in pre-clinical research.
