

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

[LQ 0121]

**JANUARY 2021
(APRIL 2020 EXAM SESSION)
M.PHARMACY DEGREE EXAMINATION
FIRST YEAR**

Sub. Code: 2912

BRANCH IV – PHARMACOLOGY

PAPER III–BIOLOGICAL STANDARDISATION AND PHARMACOLOGICAL SCREENING METHODS

Q.P. Code: 262912

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe different methods of blood collection in common laboratory animals. Describe anesthesia and euthanasia in experimental animals.
2. What are the methods available in induce hypertension experimentally in animals? Describe any three methods.

II. Write notes on:

(10 x 6 = 60)

1. Chronic toxicity testing according to OECD guidelines.
2. Describe the mutagenicity testing.
3. Write the screening methods of antipyretic drugs.
4. Student 't' test.
5. Preparation and maintenance of cell lines.
6. General principles of immuno assay.
7. Alternative experimental models in animals.
8. Range finding tests.
9. Describe the screening methods anti-asthmatics of agents.
10. Enumerate the screening methods of drugs used as anti-inflammatory drugs.
