

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

[M.PHARM 0823]

**AUGUST 2023
(APRIL 2023 EXAM SESSION)**

Sub. Code: 2968

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACEUTICAL BIOTECHNOLOGY - MPB
PAPER IV – BIOLOGICAL EVALUATION OF DRUG THERAPY**

Q.P. Code: 262968

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are ED50 and LD50? Discuss about important aspects of acute and chronic toxicity testing of drugs.
2. Discuss the biological category of medicines used in management and treatment of cancer and related disorders.

II. Write notes on:

(7 × 5= 35)

1. Bioavailability concepts and bioequivalence.
2. Pyrogen and its importance.
3. Novel drug delivery of Biopharmaceuticals.
4. Microbiological assay of Vitamins.
5. Regulatory considerations related to approval and clinical testing of biopharmaceuticals.
6. Screening In-vitro models for diseases.
7. Interferon and RNA interference as biological medicine.
